

COMMONWEALTH BUREAU OF HELMINTHOLOGY

THE WHITE HOUSE,

103, ST. PETERS ST.,

ST. ALBANS,

HERTS. ENGLAND,

28-9-71

THE TEA QUARTERLY

THE JOURNAL
OF THE
TEA RESEARCH INSTITUTE
OF CEYLON

CUMULATIVE INDEX

VOLUMES 1 TO 40

1928 - 1969

Compiled by

D. J. S. DE SILVA, BSc

LIBRARIAN, TEA RESEARCH INSTITUTE OF CEYLON

TEA RESEARCH INSTITUTE OF CEYLON
TALAWAKELLE, CEYLON,
1970

THE
TEA QUARTERLY
THE JOURNAL
OF THE
TEA RESEARCH INSTITUTE
OF CEYLON

CUMULATIVE INDEX

VOLUMES 1 TO 40

1928 - 1969

Compiled by
D. J. S. DE SILVA, BSc
LIBRARIAN, TEA RESEARCH INSTITUTE OF CEYLON



TEA RESEARCH INSTITUTE OF CEYLON
TALAWAKELLE, CEYLON,
1970

THE CHARTER

THE RESEARCH INSTITUTE
OF CANTON

CHARTER

1900

THE RESEARCH INSTITUTE OF CANTON



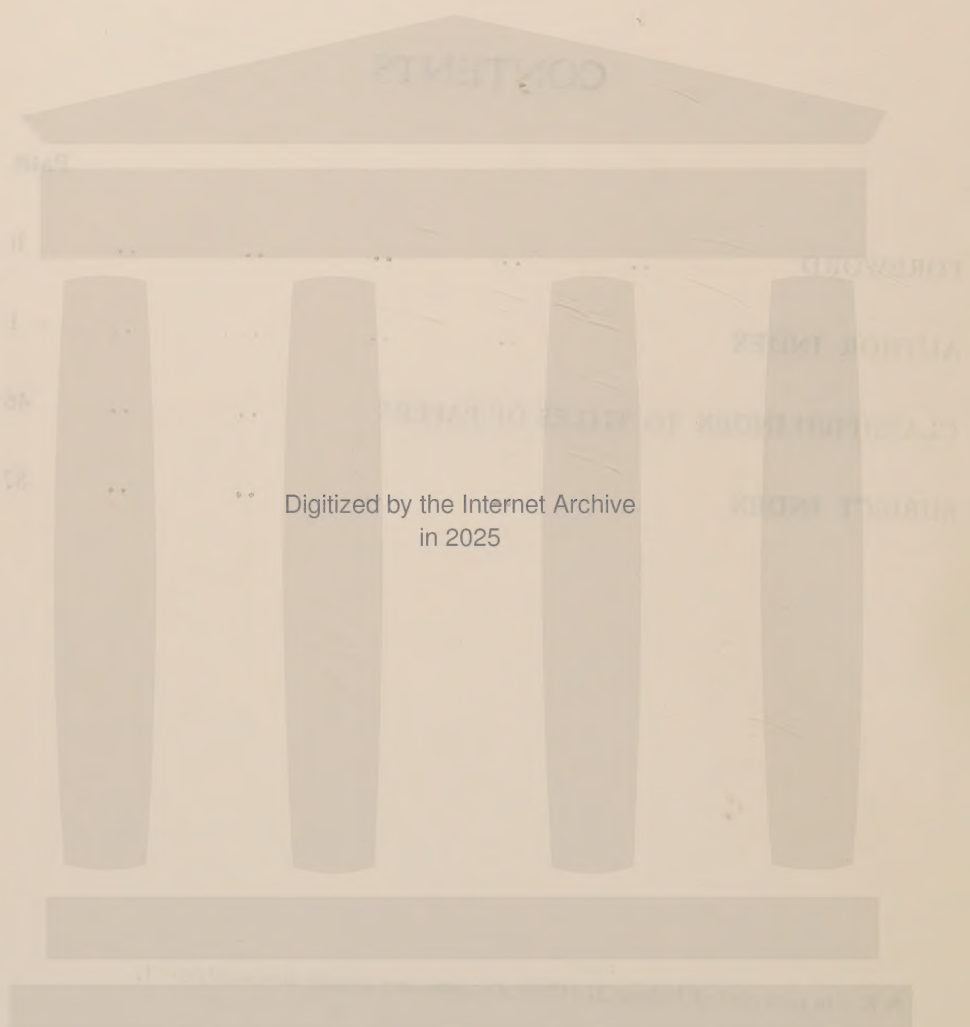
THE RESEARCH INSTITUTE OF CANTON

CONTENTS

	PAGE
FOREWORD	ii
AUTHOR INDEX	1
CLASSIFIED INDEX TO TITLES OF PAPERS	46
SUBJECT INDEX	87

N.B.—In each part of Volume 21 (1950), the pages are serially numbered from 1.

Copyright—No part of this Index may be reproduced in any form without the written permission of the Director, Tea Research Institute of Ceylon.



Digitized by the Internet Archive
in 2025

FOREWORD

The Tea Quarterly was first published in 1928; the Editor stated that "*The Tea Quarterly* will aim at providing a summary of all available information relating to the cultivation and manufacture of tea." The scope of this publication has since then been extended and the results of experiments conducted by the Tea Research Institute of Ceylon have been presented as scientific papers in this journal.

In 1940, a *Bulletin of the Tea Research Institute of Ceylon*, provided a General Index to the Publications of this Institute over the period 1926 to 1938. Thereafter, the need for easy reference to *The Tea Quarterly* has been generally expressed, and now Mr D. J. S. De Silva, BSc, Librarian of the Tea Research Institute of Ceylon provides a General Index to the first forty volumes of *The Tea Quarterly*. This Index covers all published issues of *The Tea Quarterly*, to the end of 1969.

The Editors and Readers of *The Tea Quarterly* are greatly indebted to Mr D. J. S. De Silva for his efforts in providing a comprehensive index, which will no doubt be widely used with appreciation.

L. H. FERNANDO

N. SHANMUGANATHAN

The Editors of *The Tea Quarterly*

A U T H O R I N D E X

A

VOL. PAGE

Alladay, C.

1947 Blister Blight. The influence of early timing on yield 19, 45

Amarasuriya, F.

1948 Address by the Chairman at a symposium on Tea
Rehabilitation and Replanting, 1959 29, 145, 235
1964 Introduction to the 13th Conference of the Tea
Research Institute 35, 6
1967 Addresses at Tea Centennial Conference 38, 221, 300

Amarasuriya, T.

1956 Address by the Chairman, Planters' Association
of Ceylon, at the symposium on Shot-hole
Borer 27, 89

Anonymous

1928 Recent literature on tea 1, 116
1932 Small-holdings in tea 5, 87
1933 Factory fires 6, 58
A Planter's soliloquy 6, 115
1936 Preliminary notes on the soil erosion demonstra-
tion at the Coffee Research Station, Luya-
mungu, Moshi 9, 31
Discussion on compost 9, 153
1938 Marketing of Ceylon tea, Notes on 11, 96
1941 Artificial control of *Helopeltis* 14, 106
1943 Maximum production of tea and length of pruning
cycles during emergency conditions 1943 16, 21
1946 Freezing of tea leaf 18, 73
Shot-hole Borer 18, 74
1947 Recording the incidence of Blister Blight 19, 20
1951 Plucking—The case for longer rounds in Uva 22, 51
1958 Revised Guatemala Grass manure mixture 29, 252
Tea Research Institute yields of clonal rows 29, 253
1959 Provincial list of approved clones upto March 1959 30, 52
Revised provincial list of approved clones 1959 30, 142
1963 Survival of clonal tea in droughty areas (informal
talks to the Uva Planters' Association) 34, 22

Anley, C. L. N.

1964 Observations on rotorvane manufacture 35, 225

Arulpragasam, P. V.

1966 Epidemiology of tea Blister Blight (*Exobasidium
vexans*) 2- The diurnal and seasonal periodicity
of spores in the air over a tea estate 37, 175

Austin, G. D.

1931	The nettle Grub pest in Ceylon	1	..	..	4,	74
1932	The nettle Grub pest in Ceylon	2	..	..	5,	4
	The nettle Grub pest in Ceylon	3	..	..	5,	47
1950	TRI demonstration in Uva	..	..	..	21,	48
1954	Notes on some insect pests	..	..	..	25,	67
1956	Historical review of shot-hole borer investigations	..	..	..	27,	97

Aykroyd, W. R.

1942	The food position	15,	40
------	-------------------	----	----	----	-----	----

B**Bagot, A. G. D.**

1930	A reverse slope drainage system.	I..	..	..	3,	73
	A reverse slope drainage system.	II..	..	..	3,	114

Baker, V. C.

1952	Questions and answers on manurial problems	23,	81
------	--	----	----	----	-----	----

Ball, R. S.

1944	<i>Pyrethrum</i> cultivation in Kenya	17,	28
------	---------------------------------------	----	----	----	-----	----

Bandaranayake, J. I. H.

1969	Fertilizer responses in low-grown clonal tea	40,	53
------	--	----	----	----	-----	----

Baptist, B. A.

1955	Insect pests and replanting of tea	..	..	..	26,	29
	The scarlet mites of the genus <i>Brevipalpus</i> as pests of tea in Ceylon	..	..	..	26,	127
1956	The tea leaf-eating Tortrix caterpillar (<i>Homona coffearia</i> Nietn.) as a limiting factor in insecticidal applications on tea	..	..	..	27,	28

Baynham, A. G.

1933	Address of the Chairman, Planters Association of Ceylon at the 3rd Conference of the TRI 1963	6,	1
------	---	----	----	----	----	---

Beadon, R.

1958	Report by the Nuwara Eliya Representative at the Symposium on Tea Rehabilitation and Replanting	29,	210
------	---	----	----	----	-----	-----

Bean, R. J. S.

1956	Vegetative propagation in tea (its practical application)	..	..	..	27,	24
1958	Report by the Kelani Valley representative at the Symposium on Tea Rehabilitation and Replanting	..	..	..	29,	200

Bennett, H. H.

1936	Waste by wind and water	9,	73
------	-------------------------	----	----	----	----	----

Bhavanandan, V. P.

1969	Fertilizer recommendations for tea in Ceylon—1969	..	..	..	40,	129
	Fertilizer responses of tea in the up-country districts	..	..	..	40,	135

Bond, J.

1941	Technique of vegetative propagation of tea ..	14,	102
1944	Seedlings and cuttings	17,	20

Bond, T. E. T.

1940	Potash deficiency in tea cultivation	13,	139
1941	The present position of tea selection in Java ..	14,	23
	Clone testing in the field	14,	61
1943	Deficiency diseases and the role of the minor elements in plant life	16,	9
1944	Plant viruses and virus diseases	17,	12

Bourdillon, B. S.

1931	Address of the acting Governor at the 2nd TRI Conference, 1931	4,	16
------	--	----	----

Bradshaw, R. G.

1935	A glossary of tea taster's terms	8,	183
------	--	----	-----

Brown, G.

1931	Analysis No- ? Weeding	4,	117
------	--------------------------------	----	-----

Burnet, C. R.

1961	Clonal new clearings : the first prune ..	32,	159
------	---	-----	-----

C**Calnaido, D.**

1959	Notes on the distribution and biology of the Lygus bug— <i>Lygus viridanus</i> Motoch (Heteroptera Miridae), a pest of tea in Ceylon	30,	108
1963	Surveys of leaf hoppers associated with up-country tea	34,	85
1964	Studies on the "Population Ecology" of Shot-hole Borer	35,	41
1966	Preliminary ecological studies on Shot-hole Borer and their relation to the control of the pest ..	37,	28
	The flight and dispersal of Shot-hole Borer of tea (<i>Xyloborus fornicatus</i> Eichh., Coleoptera : Scolytidae)	37,	185
1967	Progress with research on tea in the mid country Tolerance and susceptibility of tea clones to shot-hole borer infestation	38,	190
	Further observations on the tolerance and susceptibility of tea clones to shot-hole borer infestation	38,	275
1969	Further observations on the tolerance and susceptibility of tea clones to shot-hole borer infestation	39,	6
1969	Observations on the tolerance and susceptibility of tea clones to shot-hole borer infestation ..	40,	47

Cameron, D. S.

1947	Blister Blight in relation to planting and supplying tea	19,	92
------	--	-----	----

Cathcart, A. R.

1963	Some observations with withering with Wilken Woods Trough withering apparatus ..	34,	42
------	--	-----	----

Ceylon Soil Erosion Committee

1930	Questions	3,	3
------	-------------------	----	---

Chapman, E. H. B.

1936	Coal for tea firing	9,	55
------	-----------------------------	----	----

Charnaud, F. C.

1944	Notes on growing Indian corn interplanted in old tea after pruning	17,	22
1946	The history of a tea field	18,	66

Chenery, E. M.

1965	Book review	36,	2
	An appraisal of tea research in Ceylon ..	36,	85
1966	Introducing calcium ammonium nitrate (CAN) ..	37,	51
1967	The next ten years	38,	210
	Book review—A hundred years of Ceylon tea 1867–1967 by D. M. Forrest	38,	218
	Address of introduction at Tea Centenary Conference	38,	229
	Closing remarks at Tea Centenary Conference ..	38,	300
	Using Urea	38,	354

Christie, R. K.

1960	Green manure and shade trees	31,	121
1963	Soil rehabilitation	34,	44

Coombe, R. G.

1929	Address by the Chairman, Board of TRI at the 1st Conference of the TRI	1,	35
1931	Address by the Chairman, Board of TRI at the 2nd Conference of the TRI	4,	14
1937	Address by the Chairman, Board of TRI at the 5th Conference of the TRI	10,	1

Cosens, H. C.

1933	Ground cover crops	6,	116
------	----------------------------	----	-----

Coultas, W. H. W.

1953	Questions and answers on banji and plucking ..	24,	68
1961	Trough withering of green leaf	31,	180

Cowling, D. L.

1956	Views of the Sabaragamuwa Planters' Association (Shot-hole borer Symposium)	27,	125
	Opening address and closing remarks by the Chairman, Sabaragamuwa Planters' Association at the Shot-hole borer Symposium	27,	142

Craig, J. W.

1959	Report by the Sabaragamuwa Representative at the Symposium on Tea Rehabilitation and Replanting	29,	198
------	---	-----	-----

Cranham, J. E.

1960	The mite pests of tea—a review	31,	5
	Biology and control of the Fringed Nettle Grub	31,	156
1961	The natural balance of pests and parasites on Ceylon tea, especially Tea Tortrix and Macrocentrus	32,	26
	The chemical control of Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.) on tea	32,	171
	Report on a working party on mist-blowers 14th April, 1961	32,	201
1962	The chemical control of Shot-hole Borer with dieldrin: Interim Report on estate trials 1960/1961	33,	5
	The policy of <i>The Tea Quarterly</i>	33,	57
	The mite pests of Ceylon tea: Recognition and control	33,	189
	An alternative to DDT for tortrix control: Dipterex	33,	196
1963	Shot-hole Borer : Biology and control ; notes for Planters, 1963	34,	127
1964	Research on new development in shot-hole borer control	35,	32
	Some factors affecting the efficiency of dieldrin sprays for shot-hole borer control	35,	189
1966	'Mid-cycle' sprays of aldrin for the control of Shot-hole Borer	37,	56

Creighton, H.

1958	Vote of thanks by the Chairman, Planters' Association of Ceylon, at the Symposium on Tea Rehabilitation and Replanting	39,	234
------	--	-----	-----

D

Daniel, F. C.

1950	Notes on contour planting	21,	1
------	-----------------------------------	-----	---

Danthanarayana, W.

1962	The chemical control of Shot-hole Borer with dieldrin: interim report on estate trials 1960/1961	33,	5
1966	Shot-hole Borer control	37,	100
	Twig and looper caterpillar outbreaks	37,	106
	The chemical control of the Twig Caterpillar (<i>Ectropis burmitra</i>) in tea	37,	200
1967	Tea entomology in perspective	38,	153
	Ways to economize on insect and mite pest control	38,	269
1968	The chemical control of Tea Tortrix (<i>Homona coffearia</i> Nietner)	39,	50
	The distribution and host range of the Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.)	39,	61

	Recent developments in research on shot-hole borer control	39,	94
	Shot-hole borer control: Recommendations 1969	39,	115
1969	The bionomics of Tea Looper (<i>Biston suppressaria</i> Guen) (Lepidoptera : Geometridae) ..	40,	71

Davidson, J. E.

1955	Notes on a hailstorm	26,	108
------	------------------------------	-----	-----

Davis, P. W.

1954	Propagation of dadaps	25,	42
------	-------------------------------	-----	----

Delegation from the TRI to the tea producing areas in Georgia, USSR

1958	Report on a visit by a delegation from the Tea Research Institute of Ceylon	30,	5
------	---	-----	---

De Mowbray, E. G. B.

1934	Increasing the length of pruning cycles ..	7,	99
------	--	----	----

De Silva, R. L.

1959	Deficiency diseases and the symptoms of magnesium deficiency	30,	157
1960	A forecasting system of blister blight control based on sunshine records	31,	56
1964	Stem cankers in clonal tea in the low-country ..	35,	196
1965	Investigation with new fungicides for the control of Blister Blight (<i>Exobasidium vexans</i> Massee) on tea	36,	64
	Investigations on the effect of some foliar fungicidal sprays on certain properties of made tea ..	36,	112
	The use of nickel chloride and Perezin for the control of Blister Blight (<i>Exobasidium vexans</i> Massee) on tea	36,	191
1966	Some aspects of tea culture in Southern India ..	37,	3
	Recent experiments with new fungicides for the control of Blister Blight (<i>Exobasidium vexans</i> Massee) on tea	37,	121
	Blister blight control: Recommendations to estates	37,	128
	Maintenance-leaf fall in low-grown tea ..	37,	213
1967	A short history of the Tea Research Institute of Ceylon	38,	65
	A new look at the economics of blister blight control	38,	282
	The economics of blister blight control: 1—Fungicide dose	38,	336
	Asphyxiation of tea roots in clayey soils ..	38,	340
1968	Tea Cider: A potential winner	39,	37
	The importance of soil air for tea root growth ..	39,	42
	The influence of shallow top soil on the incidence of Collar and Branch Canker Disease of tea (<i>Phomopsis theae</i> Petch)	39,	87
	Susceptibility of tea clones to Collar and Branch Canker Disease (<i>Phomopsis theae</i> Petch) ..	39,	92
1969	Epidemiology of tea Blister Blight (<i>Exobasidium vexans</i>)	40,	9

De Silva, W. A. C.

1968	Manufacturing properties of Ceylon tea clones ..	39,	29
------	--	-----	----

De Silva, W. C. A.

1964	Rotorvane manufacture technique	35, 230; 36 : 82	
1965	The importance of feeding rates in rotorvane manufacture	36,	151
1966	The influence of the degree of wither in the rotorvane manufacture of high-grown leaf ..	37,	114
	Rubber hardboard as panels for tea chests ..	37,	208

De Silva, U. L. L.

1969	Studies on the quality and flavour of tea : 4—Observations on the biosynthesis of volatile compounds	40,	26
------	--	-----	----

De Soyza, T. C. A.

1967	Address at Tea Centenary Conference ..	38,	298
------	--	-----	-----

Dickson, T. G.

1934	A cold withering experiment	7,	118
1946	Notes on the effects of <i>Drymaria</i> on an estate in Uva	18,	84

Dike, H.

1950	Mechanical dusting against Blister Blight ..	21,	32
------	--	-----	----

E**Easteal, P. R. U.**

1958	Some notes on Scarlet Mites and longer pruning cycles	29,	129
1961	Planting density and pruning	32,	156

Eden, T.

1928	The aim of field experiments I & II	1,	36
1929	Co-operative liming trials	2,	7
	Field experimentation with tea	2,	65
	The part played by organic matter in soils	2,	96
	Soil acidity and base exchange	2,	100
1930	Green manuring and soil conservation	3,	17
	The field experimental programme for 1930/1931 ..	3,	40
1931	Cultivation and soil improvement	4,	22
	Soil erosion : The present position	4,	113
1932	Green manuring in relation to artificial manuring ..	5,	28
	Soils, fertilizers and the growing plant	5,	141
1933	Recent experiments in manuring of tea	6,	25
	Soil erosion I, II & III	6,	78, 111, 145
	The use of nitrogenous manure in Ceylon	6,	93
	Large scale manuring trials	6,	150

1934	A question of policy	7,	11
	The manuring of tea	7,	61
	A review of the first pruning cycle of the Tea Research Institute manurial trials ..	7,	83
	The cultivation of shade trees, green manures and cover crops	7,	93
	Indore compost	7,	116
	Some general problems of manuring ..	7,	134
	Composting by the Indore process ..	7,	160
1935	Drought conditions in relation to tea culture ..	8,	1
	The soil as a water reservoir	8,	27
	Compost manufacture and use on tea estates ..	8,	79
	Organic and inorganic manures	8,	126
	Report on composting in relation to tea cultivation, 1935	8,	151
	The cultivation of tea	8,	177
1936	The use of green manures and waste materials ..	9,	59
1937	Salient points in tea cultivation in relationship to green manures and shade trees	10,	110
	"Manuring"—A ten years' retrospect ..	10,	167
1938	New aspects of manuring	11,	22
	Report on visits to small-holdings in the Kandy and Baddegama districts (1938)	11,	38
	The manuring of tea	11,	187
	Memorandum on composting with special reference to estate agriculture	11,	194
1939	The effects of cultivation and weeds of tea ..	12,	24
	The supply and use of fertilizers in wartime ..	12,	166
1940	The valuation of manures	13,	106
	Report on the small-holdings competition in the Central Province, 1940	13,	124
	Note on "Potash deficiency" in tea cultivation in relation to Ceylon conditions	13,	146
	Report on the small-holdings competition in the Southern Province, 1940	13,	153
1941	Studies in the yields of tea—The effect of culti- vation and weeds on crop growth	14,	47
	The selection of high-yielding tea bushes for vegetative propagation	14,	98
	The technique of vegetative propagation of tea ..	14,	102
1942	Report on small-holdings competition held in the Southern Province, 1941	15,	15
	A note on irregularity in manuring ..	15,	27
	What is a good soil ?	15,	28
1943	Manuring programmes with rationed manures ..	16,	16
	Length of pruning cycles under present conditions	16,	39
1944	The collection and use of statistics	17,	18
1946	Research in relation to advisory work ..	18,	12
	Recent views on soil fertility	18,	15
	Tea pruning cycle patterns	18,	55
	Fertilizer rationing for tea in 1947	18,	73
1947	Manurial responses of tea and weeds ..	19,	5
	Blister Blight fertilizer rationing; Additional uses of phosphoric acid and potash	19,	33

	The effects of hard plucking	19,	105
1949	Yield in relation to bush growth	20,	18
1967	The early history of the Tea Research Institute of Ceylon—some personal recollections	37,	105
Elias, A. L.			
1960	VP Clearings at St Coombs	31,	110
	Motorised knapsack mist-blowers	31,	169
	Power charge pumps	31,	175
1961	Nursery management	32,	42
	How to economise on blister-blight control: the use of mist-blowers in conjunction with sun- shine recorders	32,	91
1962	Planting new clearings: Recent experience at St Coombs	33,	202
Engledow, Sir Frank			
1956	Opening address to the Second Plant Protection Conference at Fernhurst Research Station in June 1956	27,	55
Evans, Sir Geoffrey			
1941	"The possibility of extending Cinchona cultiva- tion in the British Empire"	14,	146
Evans, D. I.			
1928	Tea withering. Mechanical innovations	1,	71
	Chemical wither	1,	93
1929	Some problems of tea manufacture	2,	44
	Air conditioning and some of the principles in- volved. I & II	2,	89, 115
1930	Tea fermentation : 1—General	3,	27
	Tea fermentation : 2—Development of aroma during fermentation	3,	49
	Tea fermentation : 3—Humidity and its impor- tance during fermentation	3,	76
	Tea fermentation : 4—Theories put forward to experiment on fermentation of tea	3,	116
1931	Tea fermentation : 5—Micro-organic theory of tea manufacture	4,	2
	Factors in tea manufacture	4,	54
1932	Tea samples for report	5,	33
	The moisture content of made tea	5,	54
	A simple apparatus for the determination of mois- ture in made tea	5,	59
	A short note on factories and tea manufacture	5,	62
	A short note on suction dryers	5,	69
1933	Effect of manurial treatment of plots on made tea	6,	33
	Certain aspects of tea manufacture	6,	37
Reviews			
1928	Technology of tea	1,	51
	Notes on tea expressor juice	1,	111

1929	Vitamins in tea	2,	109
	A few observations on modern tea factories	2,	135
	Stalk extracting machine	2,	139
1930	The heating of fermenting chambers	3,	34
1931	Modern tea factories in Java	4,	13
1932	The firing of tea	5,	38
	The greying of tea	5,	58
Evans, M. C.			
1938	Regeneration of tea	11,	98
1944	Replanting of tea	17,	25
F			
Fay, B. D.			
1941	Housing of estate labour	14,	163
1950	Mechanical plucking of tea	21,	38
1954	A preliminary report on the commercial experiment of mechanical harvesting of tea on Dickwella Estate	25,	3
Fernando, C. H. Z.			
1931	Address of the Chairman Low-Country Products Association at the Second TRI Conference, 1931	4,	39
Fernando, E. F. W.			
1959	A note on the storage of the ambrosia fungus by the Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.)	30,	50
1960	Biology and control of the Fringed Nettle Grub	31,	156
1963	Storage and transmission of Ambrosia fungus in the adult (<i>Xyleborus fornicatus</i> Eichh.) Coleoptera: Scolitydae	34,	38
	Survey of leaf hoppers associated with up-country tea	34,	85
Fernando, L. H.			
1963	Suggested schemes of level of manuring mature tea	34,	106
1966	Zinc foliar sprays: Recommendations — 1966	37,	73
1967	Progress with research on tea in the low-country	38,	186
	A reappraisal of practices in the cultivation of low-country tea	38,	241
1969	Fertilizer response in low-grown clonal tea	40,	53
	Fertilizer recommendations for tea in Ceylon—1969	40,	129
Fernando, S. N.			
1968	Recent developments in research on shot-hole borer control	39,	94
Fernando, S. R. A.			
1967	Some observations on <i>Porta</i> control by soil fumigation with methyl bromide	38,	311
1968	The influence of shallow top soil on the incidence of Collar and Branch Canker Disease of tea (<i>Phomopsis theae</i> Petch)	39,	87
1969	Laboratory and green-house evaluation of some soil fumigants for toxicity against five root pathogens of tea	40,	99

Finley, D. W.

1936	Winnowing of tea	9,	123
1939	Heat in relation to manufacturing processes ..	12,	62
1940	Note on life of drier tubes	13,	78

Forbes, James

1934	The financial position of the TRI	7,	56
1935	Address as Chairman of the 4th Conference of TRI ..		
1935	.. .. .	8,	4
1939	Address by the Chairman of the Board at 6th Conference of the TRI 1939	12,	3

Forrest, D. M.

1967	A planter's battle of long ago	38,	112
------	--	-----	-----

Foster-Barham, C. B.

1962	Advice on fertilizer policy	33,	132
1963	Soil samples from estates for estimation of Meadow Nematode	34,	34
	District Advisory Service in the Uva Province ..	34,	89
	Suggested schemes for level of manuring of mature tea	34,	106

Francillon, F. R.

1935	Notes on green leaf sifting and fermentation ..	8,	192
------	---	----	-----

G**Gadd, C. H.**

1928	Tea and soil acidity; water culture experiments ..	1,	2
	Tea and soil acidity; water culture experiments ..	1,	31
	A nematode root disease of dadaps	1,	39
	The parasitism of <i>Rosellinia arcuata</i>	1,	56
	A new view of the causation of Diplodia disease ..	1,	89
1929	Tea and soil acidity : 3—Pot culture experiments ..	2,	1
	Pruning in relation to wood rot of tea	2,	10
	The treatment of the <i>Poria</i> root disease	2,	16
	Review of monthly reports of the scientific staff of TRI (September–November 1928)	2,	29
	Review of monthly reports of the scientific staff of TRI (January–March 1929)	2,	87
	The relationship between food reserves of the tea bush and disease	2,	54
1930	What is the Diplodia root disease of tea ?	3,	44
	<i>Armillaria</i> root disease of tea	3,	109
1931	The pruning of tea in relation to disease	4,	45
1932	The nodules of leguminous plants	5,	17
	Small holdings in tea	5,	87
1933	Tea Cider	6,	48
	Factory experimentation	6,	59
	Review of the work of the scientific staff of the TRI (January–March 1933)	6,	85
	Sulphur deficiency diseases of the tea bush	6,	121

	Small-holdings	6,	127
	Review of the work of the Scientific staff of the TRI (April-June 1933)	6,	132
1935	Drought conditions in relation to tea culture ..	8,	20
	Disease of the tea bush : 1—Diseases in general and fungi in particular	8,	132
1936	Diseases of the tea bush : 2—Root diseases ..	9,	5
	Diseases of the tea bush : 3—Root diseases and tree stumps	9,	101
	A report on the small-holdings in the Uda Nuwara Division of the Central Province	9,	193
1937	The treatment of <i>Poria</i> root disease of tea ..	10,	36
	Compost and disease	10,	93
	A leaf-fall disease of <i>Grevilleas</i>	10,	156
	Root-knot of <i>Tephrosia</i>	10,	183
1938	Address to the Ceylon Association in London ..	11,	121
1939	Disease in non-productive bushes	12,	75
	A virus disease of tea	12,	110
	A destructive root disease of tea caused by the Nematode <i>Anguillulina pratensis</i>	12,	131
1940	'Bitten-off' disease of tea seedlings	13,	54
	Shot-hole borer investigations	13,	103
	Ring-barking of trees and root diseases ..	13,	117
1941	The life-history of the Shot-hole Borer of tea ..	14,	5
	The control of tea Tortrix by its parasite <i>Macrocentrus homonae</i>	14,	93
	Observations on an attack by Shot-hole Borer on tea	14,	132
1942	The effect of plucking on Shot-hole Borer in tea ..	15,	31
1943	Shot-hole Borer and wood-rot	16,	6
	Does manuring reduce the damage caused to tea by Shot-hole Borer ?	16,	30
1944	Shot-hole Borer damage and tea yields ..	17,	2
1946	The problem of nematode control in tea plantations	18,	3
	Studies of Shot-hole Borer of tea : 1—Distribution and nomenclature	18,	46
	Life and death	18,	101
	Studies of Shot-hole Borer of tea : 2—Galleries ..	18,	114
1947	The Institute during the war years	19,	3
	The collection of blistered leaves	19,	17
	Insect population	19,	56
	Disease problems	19,	61
	Studies of Shot-hole Borer of tea : 3—Damage to the tea bush	19,	96
1948	T. Petch—Obituary	20,	1
	Nutrition in relation to disease	20,	10
	Studies of Shot-hole Borer of tea 4—Life cycle of the beetle	20,	61
	Studies of Shot-hole Borer of tea : 5—Borer population	20,	66
1949	The fungus <i>Exobasidium vexans</i>	20,	54

Gatehouse, R. C.

1952	Blister blight control on Dessford Group in 1951	23,	15
------	--	-----	----

Godfrey, R. R. N.

1934	Plucking individual rows 7,	179
------	--------------------------	----------	-----

Goonetilleke, Sir Oliver

1952	Foreword to 'Importance of Tea Factory Organisation' by G. K. Newton	.. .. 23,	88
1953	Address by the Minister of Agriculture and Food at the 10th TRI Conference, 1953	.. .. 24,	4
1954	Address by HE The Governor General at the 11th Conference of the TRI 1955	.. .. 25,	4

Goonewardene, H. B.

1958	Report by the Southern Province Representative at the Symposium on Rehabilitation and Re-planting 29,	202
------	---	-----------	-----

Gorrie, R. M.

1950	Patana fires in estates and water catchments	.. .. 21,	45
1952	The identification of Australian wattles (Acacias) introduced into Ceylon	.. .. 23,	73

Green, M. J.

1958	Indian Tea Association, Tocklai—Address at the Symposium on Tea Rehabilitation and Re-planting 29,	181
------	--	-----------	-----

Greenslade, R. M.

1949	Impressions of the blister blight control problem	20,	132
------	---	-----	-----

Grice, W. J.

1958	Indian Tea Association, Tocklai—Address at the Symposium on Tea Rehabilitation and Re-planting 29,	184
------	--	-----------	-----

Griffiths, P. J.

1938	Tea consumption in India 11,	208
------	--------------------------	-----------	-----

Gunawardena, D. P. R.

1956	Address by the Ministry of Agriculture and Food at the Symposium on Shot-hole Borer	.. .. 27,	86
1958	Address by the Ministry of Agriculture and Food at the Symposium on Tea Rehabilitation and Replanting	.. .. 29,	146

Gunaratnam, S. M.

1956	Interim report on the performance of the "Shizuoka" electric separator 27,	42
------	--	-----------	----

Gunn, D. L.

1961	Review of recent events and prospects ..	32,	11
1962	Policy of <i>The Tea Quarterly</i> ..	33,	57
	A new look at fertilizer (nitrogen) dosage ..	33,	122
1963	Measuring the steepness of tea land ..	34,	13

H

Hadfield, W.

1963	New thoughts on shade	34,	90
------	-------------------------------	-----	----

Hainsworth, E.

1949	Technical report on the blister blight situation in NE India	20,	119
------	--	-----	-----

Hall, A. H.

1934	A cold withering experiment	7,	118
------	-------------------------------------	----	-----

Hasselo, H. N.

1962	Tea roots show effective depth of soil	33,	45
	Field experiments on the chemical control of Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh) on tea soon after pruning	33,	69
1963	Suggested schemes for level of manuring of mature tea	34,	106
	An evaluation of the monthly variations in yields of tea of two estates	34,	111
1964	Chemical control of weeds	35,	127
	Shade trees	35,	128
	Productivity gradients on sloping tea land in Ceylon	35,	207
	Some observations on the growth rate of shaded and unshaded tea on sloping land ..	35,	217
1965	Chemical weed control in tea	36,	22
	The nitrogen, potassium, phosphorus, calcium, magnesium, sodium, manganese, iron, copper, boron, zinc molybdenum and aluminium contents of tea leaves of increasing age ..	36,	122

Haworth, F.

1950	The application of crop protection methods Part 2—Dusting	21,	27
	Crop protection by copper fungicides : The effect of weather on copper residues ..	21,	28
1951	Compost	22,	104
	On the use of coir dust in manure mixture ..	22,	107
	Distribution of copper containing dusts ..	22,	118
	Notes on phosphate availability after Guatemala Grass	22,	136
1952	Minor element nutrition of the tea bush in Ceylon	23,	67
	Questions and answers on manurial problems ..	23,	81
	A note on boron deficiency of Brassicae on St. Coombs	23,	86
	The establishment of green manures in mature tea areas	23,	114

Heaton, G. L.

1954	Notes on <i>Stylosanthes gracilis</i> (Brazilian lucerne) as a ground cover for tea	25,	8
------	--	-----	---

Hoagland, D.R.

1940	Minute amounts of chemical elements in relation to plant growth	13,	148
------	--	-----	-----

Hoedt, T.

1937	Address at the 5th TRI Conference, 1937 ..	10,	14
------	--	-----	----

Horne, R. H.

1933	Market requirements	6,	63
1949	Tea standards	20,	30

Hume, P. F.

1955	Storage of tea seed	26,	93
------	---------------------------	-----	----

Huntley-Wilkinson, C.

1931	Soil erosion and cover crops	4,	26
1933	Some indigenous weeds	6,	176
1935	Ground cover on a Dimbula estate	8,	107
1937	Ground cover on tea estates in Dimbula ..	10,	206
1940	Soil erosion prevention on tea estates ..	13,	59

Hurst, H. S.

1955	Address by the Chairman TRI Board, at the 11th TRI Conference, 1955	26,	3
------	--	-----	---

Hutchinson, M. T.

1960	Resistance and tolerance of tea to nematodes ..	31,	13
	Nematode samples from estates	31,	116
	Fumigating nurseries	31,	119
1961	Developments in the control of Meadow Nema- tode	32,	129
1962	Rehabilitating tea soils: 1—Susceptibility of plants now in use to the root-lesion nematode, <i>Pratylenchus loosi</i>	33,	138
1963	Soil samples from estates for estimation of Meadow Nematodes	34,	34
	The distribution of <i>Pratylenchus loosi</i> Loof among tea estates in Ceylon, with particular reference to altitude	34,	68
	Surveys of leaf-hoppers associated with up- country tea	34,	85
	Distribution of plant parasitic nematodes in the soils of tea estates in Ceylon	34,	119
1964	Further developments in the control of meadow nematode	35,	90

Hutton, A. F.

1959	Notes on drum withering	30,	150
------	-------------------------------	-----	-----

I

Illangakoon, C.S.

1967	Towards low-cost vegetatively propagated tea plants	38,	347
------	---	-----	-----

Illankoon, R. L.

1933	Half-yearly report of the Small-holdings Officer January-June, 1933	6,	130
1934	Half-yearly report of the Small-holdings Officer January-June, 1934	7,	150
1935	Half-yearly report of the Small-holdings Officer, January-June, 1935	8,	111
1952	Tea Small-holdings Advisory Service	23,	18
1956	Observations on Shot-hole Borer in tea small holdings	27,	112

J

Jayasuriya, S. G.

1969	Some effects of mulching on the growth of young tea	40,	153
------	---	-----	-----

Jayawardena, J. R.

1955	Address by the Minister of Agriculture and Food at the 11th TRI Conference	26,	81
------	--	-----	----

Jayawickrema, D. S.

1960	Some results of vegetative propagation with TRI 2026	31,	81
------	--	-----	----

Jennings, E. A.

1956	Spraying trials in 1955, using 50% copper fungicides	27,	7
1956	Dusting trials in 1955, using 4% copper blended dusts	27,	10

Joachim, A. W. R.

1958	A general survey of the position in regard to Tea Rehabilitation and Replanting	29,	150
	'Tea' by T. Eden (Review)	29,	133
	Methods of rehabilitation and replanting	29,	247
1961	The shade-tree question and green manures	32,	63
	Responses to manuring in various low-country conditions	32,	133
1963	Suggested schemes for level of manuring of mature tea	34,	106
	The 20th Annual Tocklai Conference	34,	169
1964	Review of the work of the Institute	35,	16
	Manurial trials in the low-country	35,	61
1965	The establishment of the low-country station	36,	3

Judenko, E.

1956	Research work on Shot-hole Borer	27,	103
1958	Some observations on the behaviour of the adult Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.) under laboratory conditions	29,	47

	Trials with a method of assessment of infestation caused by Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.) on old tea	29,	51
	The appearance of adult Shot-hole Borers (<i>Xyleborus fornicatus</i> Eichh.) outside their galleries under natural conditions	29,	104
	A note on the distribution of the entrances to the open galleries made by Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.) on tea	29,	112
	Preliminary small-scale field experiments on a chemical method for the prevention of shot-hole borer (<i>Xyleborus fornicatus</i>) attack on tea in plucking	29,	115
1960	Further small scale field experiments on the chemical control of attack by Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.) on tea in plucking ..	31,	19
	Shot-hole borer and clones	31,	72
1961	Control of Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.) experiments in progress	32,	23
	Can Shot-hole Borer of tea (<i>Xyleborus fornicatus</i> Eichh.) infest and grow in shade trees of tea? ..	32,	185
	Assessment of crop loss due to a pest	32,	224
1962	Field experiments on the chemical control of Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.) on tea soon after pruning	33,	69

K

Kalpage, F. S. C. P.

1967	A note on the manganese content of some tea soils in Ceylon	38,	344
------	---	-----	-----

Kanapathipillai, P.

1962	A new look at fertilizer (nitrogen) dosage	33,	122
1963	Suggested schemes for level of manuring of mature tea	34,	106
1964	Further studies on the effect of climate on the chemical composition of fresh tea flush	36,	222
1965	Extension experiments, their nature and meaning	36,	141
	A note on die-back in relation to pre-pruning practice	36,	190; 37; 95
1966	Simple design for estate experiments	37,	64
	Addendum—A note on die-back in relation to pre-pruning practice	37,	95
	Analysis of polyphenols, aminoacids and chlorophyll level in tea at different seasons	37,	232
1967	A scientist's battle of today	38,	122
	The role of Statistics in experiments with tea	38,	198
	Tolerance and susceptibility of tea clones to shot-hole borer infestations	38,	275

Kandappah, C.

1966	Some comparisons of tat and trough withering	37,	163
------	--	-----	-----

Kane, T.			
1955	The future of Ceylon tea	26,	63
1958	Quality in relation to clonal varieties ..	29,	175
Kannangara, E. F.			
1935	Half-yearly report of the Small-holdings Officer, Baddegama, January-June 1935	8,	113
Kathiravetpillai, A.			
1964	Some factors affecting the efficiency of dieldrin sprays for shot-hole borer control ..	35,	189
1969	The bionomics of Tea Looper (<i>Biston suppress- aria</i> Guen) (Lepidoptera : Geometridae) ..	40,	71
Keegel, E. L.			
1950	Investigations into the methods of increasing the outturn of the fannings grade	21,	5
1961	Common problems in tea manufacture ..	22,	50
	Relation of coarse plucking to quality of made tea	22,	112
1952	Studies in blister blight control : 9-The effect of spray residues on the quality of manufactured tea	23,	2
1953	The principles of manufacture	24,	23
	Vegetative propagation of tea—The manufacturing aspect	24,	82
1954	A note on drier capacities	25,	21
	A note on the operation of the miniature roller ..	25,	66
	Withering by heated air	25,	87
	The 'Kaybee' infra-red moisture tester, type X- 14	25,	93
1955	Preservation of quality	26,	56
	Fermentation in relation to heat developed in rolling	26,	96
	The outturn of made tea to green leaf ..	26,	138
1956	Miscellaneous notes on manufacture ..	27,	20
	Interim report on the performance of the 'Shizu- oka' electric separator	27,	42
1958	The improvement of quality	29,	87
	Roller cones	29,	101
	Selection and quality	29,	178
1959	A new type of infra-red moisture tester—The Ase moisture balance	30,	46
	Report on a visit to North East and South India ..	30,	71
	Tea made from clones	30,	134
	Comments of Mr Hutton's notes on drum with- ering	30,	155
1962	Relation of temperature and humidity to made tea	33,	60
	Future developments in tea manufacture ..	33,	177
	Tea made from clones—Part 2	33,	183
Kehl, F. H.			
1949	Shaping the future bush	20,	93
1950	Vegetative propagation of tea by nodal cuttings ..	21,	3
	Effect of manure on the rooting of internode cuttings	21,	36

1955	<i>Eupatorium riparium</i> Benth. (Compositae). A common up-country weed	25,	27
1956	Drought	27,	77
1958	Selection and vegetative propagation of tea	29,	76
	Experiences overseas on replanting with high- yielding material	29,	160
	Clones cultivated, acreage under clones, yields and cuttings likely to be available	29,	237
	Notes on performance of clones	29,	242
1959	Report on a visit to North-East and South India	30,	71
1961	Do not kill your mother bushes	32,	145
	Polythene bags <i>versus</i> bamboo supply baskets	32,	213
	Manuring of nurseries: 1—Experiments on the frequency of application of inorganic and organic mixtures	32,	216
1964	Some factors contributing to poor results with VP tea in nurseries and clearings	35,	85
Keiller, P. A.			
1939	The chlorine content of tea leaves before and after manuring with muriate of potash	12,	95
1939	Note on the analysis of leaves from tea bushes affected by 'Witches Broom'	12,	96
Kerr, A.			
1963	Fumigation of nursery soil	34,	150
1966	Soil samples for eelworm assessment	37,	27
	Replanting eelworm infested areas	37,	67
	Fumigation of nursery soil with methyl bro- mide	37,	162
	Epidemiology of tea Blister Blight (<i>Exobasidium</i> <i>vexans</i>) 1—Sporulation	37,	168
1967	The occurrence and control of the root lesion eelworm (<i>Pratylenchus loosi</i>) in nurseries	38,	22
	Resistance of tea clones and seedlings to the root-lesion eelworm (<i>Pratylenchus loosi</i>)	38,	42
1969	Epidemiology of tea Blister Blight (<i>Exobasidium</i> <i>vexans</i>)	40,	9
King, C. B. R.			
1930	<i>Trichogramma</i> ; an egg parasite	3,	61
1931	Control of insect pests	4,	34
	Effect of burning grassland on the white grub (<i>Anomala</i> sp.) population	4,	100
1933	The tea tortrix (<i>Homona coffearia</i> Nietn.)	6,	153
1934	An experiment with <i>Trichogramma</i> and Tortrix	7,	15
	Cold storage effect on <i>Trichogramma</i> and on the eggs of <i>Ephestia kuhniella</i>	7,	19
1935	A further trial with <i>Trichogramma</i>	8,	140
1936	Tortrix parasites from Java. Object of importa- tion	9,	38
	A suitable spraying machine for estates use	9,	67
	Tea mite pests	9,	144

1937	The tortrix problem	10,	46
	Termites	10,	160
	The long-tailed parasite of Tortrix	10,	187
	<i>Neotermes militaris</i>	10,	195
1939	Tortrix control	12,	86
1940	Notes on the Shot-hole Borer of tea	13,	111
King, H. C.			
1935	A note on the supply of firewood for tea estates	8,	101
Krishan, K. V. S.			
1959	Application of growth substances on clonal cuttings	30,	121
Krishnapillai, S.			
1969	Studies on the mineral nutrition of tea : 1—Techniques for growing tea plants in sand culture	40,	145
Kirtisinghe, D.			
1965	Investigations on the effect of some foliar fungicidal sprays on certain properties of made tea	36,	112
	Effects of method of manufacture on the oxidation of polyphenols and chlorophylls	36,	167
1966	The influence of the degree of wither in the rotor-vane manufacture of high-grown leaf	37,	114
	Some comparisons of tat and trough withering	37,	163
	Rubber hardboard as panels for tea chests	37,	208
1967	Some aspects of tea culture in Kenya and Uganda	38,	3
	The manufacture and marketing of tea in Kenya and Uganda	38,	10
	The yesterday, today and tomorrow of tea manufacture	38,	200
	Quality and economy in the production of tea	38,	289
1968	Manufacturing properties of Ceylon tea clones	39,	29
Kulasegaram, S.			
1969	Studies on the dormancy of tea shoots : 1—Hormonal stimulation of the growth of dormant buds	40,	31
	2—Roots as the source of a stimulus associated with the growth of dormant buds	40,	84
L			
Lamb, J.			
1934	Tea tasters' terms	7,	129
1935	The theory and practice of tea drying	8,	43
	Test of a Marshall's new 'Empire' tea dryer	8,	65
	The storage and packing of tea	8,	171
	Sulphur taints	8,	187
	Notes on green leaf sifting and fermentation	8,	199
1936	Studies on fuels for tea driers : 1—Firewood—the relative values of different species of wood and their storage	9,	17
	Studies on fuels for tea driers : 2—Stove designs and the stocking of wood and coal	9,	48

	Studies on fuels for tea driers : 3—The storage of liquid fuel and the design and maintenance of suitable burners	9,	110
	Studies on fuels for tea driers : 4—The relative costs of heating air with firewood coal and oil	9,	163
1937	Research and the practical manufacture of tea	10,	56
	A note on packing materials	10,	126
	Grading tea with stamped aluminium sieves—I	10,	191
1938	Notes on dryer temperatures	11,	89
	The chemistry of tea	11,	103
	Studies on the rolling of tea	11,	131
	Air conditioning in tea factories	11,	151
	Machines and materials—A summary of tests conducted at St Coombs factory	11,	154
	A note on the packing of forward samples of tea	11,	159
1939	Studies on the firing of tea—I	12,	171
	Grading tea with stamped aluminium sieves—II	12,	179
	A note on the manufacture of leaf from selected individual bushes	12,	183
1940	Grading tea with stamped aluminium sieves—III—The Arnott filtrate sifter	13,	82
	Studies on the firing of tea II	13,	156
1941	A review of tea manufacture in 1941	14,	65
	Tea in relation to food and drug regulations : I—Ash contents	14,	110
	Questions regarding the local supply of tea chests and firewood for estates	14,	113
1942	Studies on the firing of tea—III and IV	15,	5, 13
1946	A review of rolling methods in tea manufacture	18,	19
	A report on direct fired air heaters	18,	41
	Tea manufacture	18,	74
1947	Tea manufacture	19,	69
1949	Tea manufacture	20,	24
	Technical report on the blister blight situation	20,	102
	A report on the Blister Blight Disease in Ceylon tea plantations	20,	102
1950	Studies in blister blight control: I—The programme of research	21,	12
	The blister blight control campaign	21,	4
	Crop protection by copper fungicides : 2—Copper residues in relation to quality	21,	33
	Crop protection by wet spraying compared with crop protection by dusting	21,	44
1951	The work of the Institute	22,	31
	The maintenance of fertility in tea soils	22,	45
	Introductory lecture to crop protection courses in 1951 (Blister blight control)	22,	55
	Fungicides and their application	22,	79
1953	The control of pests and diseases of weeds	23,	58
	Crop protection by wet spraying compared with crop protection by dusting in 1951	23,	12
	A dissertation upon drink	23,	40
	A note on manurial mixtures	23,	87
	The tea industry	23,	100
	The work of the Institute	24,	8

	The principles of manuring	24,	13
	The principles of pest control : 1—General ..	24,	31
	The principles of pest control : 2—The use of insecticides	24,	32
	R. G. Coombs (In Memoriam)	24,	56
1954	Studies in blister blight control	25,	38
	Mattakelle dusting trial	25,	40
	The mixture as prescribed	25,	51
	A talk given to the Morawak Korale Planters Association on 31st July, 1954	25,	63
1955	The future of tea production	26,	7
	The condition of Ceylon tea soils	26,	16
	Chemical and biochemical investigations on Ceylon tea soils	26,	31
	A guide to the manuring of Ceylon tea	26,	116
Landreth, J.			
1951	The Engineering Department	22,	121
1952	Model factory made from scrap	23,	52
	A note on an improvement to pneumatic knapsack sprayers	23,	86
1954	Power charging of knapsack sprayers	25,	15
	Pressure regulation of knapsack sprayers	25,	62
	A miniature roller for clonal experiments	25,	66
	American Boom Jet nozzle OC-02	25,	69
	Estate greenhouse	25,	70
Lane, F. J. W.			
1949	Impressions of blister blight control	20,	132
Lester-Smith, W. C.			
1938	Note on soil conservation	11,	41
	Soil erosion on tea estates and some suggestions for its control	11,	199
Light, S. S.			
1928	How to send in specimens of insects for report ..	1,	17
	Pests of tea nurseries; A warning. Eelworms; Scarlet Mite; Cut-worms; Red Borer ..	1,	19
	Weevils injurious to tea	1,	45
	Newly recorded food plants of some pests of tea and green manures	1,	77
Light, S. S.			
1928	Diseases and pests of tea in Nyasaland	1,	80
1929	Notes on Green Bug (<i>Coccus viridus</i> Green) ..	2,	24
	Biological control in entomology with special reference to pests of tea	2,	73
	On a caterpillar attacking Albizzia seedlings <i>Macaria pluvialis</i> Febr. Geometridae ..	2,	105
1930	Helopeltis in Ceylon	3,	21
Loos, C. A.			
1949	Technical reports on the blister blight situation in Ceylon : 2—The work in progress ..	20,	105

1950	Studies in blister blight control : 2—Preliminary results of tests with fungicides	21,	13
	Crop protection during plucking	21,	16
	Crop protection by modified agricultural methods : 2—The Kataboola loss of crop experiment ..	21,	38
1951	Pathological problems	22,	27
	The causative fungus	22,	63
	Studies in blister blight control : 7—Power dusting with "Cuprosana" dusts containing 2,4 and 6 per cent of copper	22,	126
	Studies in blister blight control : 8—Trials conducted with the "Micron" Power Sprays in connection with the application of oil-based copper fungicides	22,	133
1952	Studies in blister blight control : 10—Evaluation of some copper containing fungicidal dusts in the control of Blister Blight Disease of tea ..	23,	6
	Studies in blister blight control : 11—Dusting against blister blight on Alupolla Group ..	23,	76
1953	The principles of pest control : 4—Eelworms ..	24,	34
	Studies in blister blight control : 12—Dusting and spraying against Blister Blight on Ury Group, Passara	24,	70
	A note on spraying and dusting against Blister Blight	24,	97
1954	Studies on blister blight control : 14—Further studies on the evaluation of some copper fungicidal dusts in the control of Blister Blight ..	25,	10
	Studies in blister blight control : 15—'Blidust' trials under north-east monsoon conditions in Uva	25,	13
	Studies in blister blight control : 13—Methods of fungicidal application in the control of Blister Blight Disease of tea	25,	29
	A note on soil fumigation	25,	41
1955	Eelworms	26,	27
Lushington, R. A.			
1965	Some investigations on Rotorvane manufacture ..	36,	72
M			
Macrae, D. R.			
1963	Some observations on withering with Wilken-Woods trough withering apparatus ..	34,	42
Mahadeva, B.			
1958	The administrative aspects of the rehabilitation and replanting scheme	29,	218
Mann, H. H.			
1932	The recent tea development in Russia ..	5,	115
Manipura, W. B.			
1969	Fertilizer recommendations for tea in Ceylon—1969	40,	129

Fertilizer responses of tea in the up-country districts	40,	135
Some effects of mulching on the growth of young tea	40,	153
Marsh-Smith, E. C.		
1943 Tea weeding	16,	42
1946 Vegetative reproduction	18,	107
Mayne, Wilson W.		
1949 Technical report on the blister blight situation S. India : 2—The position in the High Range	20,	114
1963 The understanding of research	34,	7
Meares-Clive, H.		
1937 Does the future of Ceylon Tea depend on fine liquors and infusions or on showy, hard, black twisted leaf ?	10,	123
Megget, E. E.		
1929 Some basic principles of agriculture as applied to the estate	2,	81
Middleton, G. B.		
1963 Observations on the response to clean pruning at higher elevations	34,	201
Molliston, I. A.		
1952 <i>Desmodium ovalifolium</i> as a cover crop for tea ..	23,	53
Moore, Sir H.		
1949 Address by H. E. Governor General at the 8th TRI Conference, 1949	20,	3
Morford, K.		
1949 Planting views on the Blister-Blight situation ..	20,	126
1955 Address at close of the 11th TRI Conference ..	26,	83
Mulder, D.		
1958 Rehabilitation and tea diseases	29,	180
1959 The possibility of timing blister blight spraying according to sunshine records	30,	39
1959 Oilspot of tea leaves—a new disease ? ..	30,	44
Submission of specimens for diagnosis and report	30,	50
Review of thirty years study of tea disease in Ceylon	30,	113
Deficiency diseases and the symptoms of magnesium deficiency	30,	157
1960 The use of separate stickers in blister blight fungicides	31,	12
A forecasting system for blister blight control based on sunshine records	31,	56
A visit to N. E. India	31,	68
Planting on poria-infected areas	31,	106
Nitrogen deficiency in clonal plants	31,	153

	The influence of the soil on the development of plant diseases and pests	31,	165
1961	A preliminary investigation of maintenance-leaf fall in the low country	32,	51
	How to economise on blister blight control: The decision to spray based on sunshine records ..	32,	88
	Organic matter and parasitic fungi	32,	140
	A bacterial disease of Guatemala Grass	32,	143
	A revival of tea cider	32,	222
1962	"Black blight" a leaf spot disease of tea in the low-country caused by <i>Rhizoctonia solani</i> Kuhn	33,	105
	Results of a survey of Red Root Disease (<i>Poria hypolateritia</i> Berk) in Ceylon tea	33,	141
	Ring barking of shade trees, its use and consequences in connection with root diseases ..	33,	146
	The symptoms of chlorosis due to high light intensity on tea leaves at high elevation ..	33,	148
	The vein-banding virus diseases of the dadap tree (<i>Erythrina lithosperma</i>)	33,	150
	Collar canker in clonal plants caused by <i>Leptothyrium theae</i> Petch	33,	152
1963	Spikiness disease of Guatemala Grass (<i>Tripsacum laxum</i> Nash): A virus disease ? ..	34,	16
	Virus and virus-like symptoms on seedling tea ..	34,	19
	Further observations on the Oil Spot Disease of tea	34,	184
Mulrenan, C. N. J.			
1957	Observations on mite attacks in Haputale ..	28,	47
1958	Further observations on mite attacks in Haputale during 1957	29,	60
Mulrenan, C. W. J.			
1962	Soil rehabilitation: Pre-rooting of Guatemala Grass	33,	167
N			
Nagarajah, S.			
1965	The influence of 'lungs' on carbohydrate reserves and growth of shoots	36,	88
	Studies on the mineral nutrition of tea : 1—Techniques for growing tea plants in sand culture ..	40,	145
Neale, A. D.			
1964	Recent tea prices and trends	35,	111
Newton, A. P.			
1960	Control of Shot-hole Borer with Dieldrex ..	31,	172
Newton, G. K.			
1936	Tea factory organisation and management ..	9,	199
1949	Agency House views on the blister blight situation	20,	126
1950	Blister Blight—Proprietors' views	21,	7
1952	The importance of tea factory organisation ..	23,	90

1955	Some observations on the financial aspect of replanting Ceylon tea	26,	77
1958	The economic aspects and problems of replanting	29,	170

Norris, R. V.

1929	Application to the Empire Marketing Board ..	2,	122
1929	The new buildings of the Tea Research Institute	3,	127
	Quarterly report on the work of the Scientific Staff of the TRI (July-September) ..	2,	140
1930	Soil erosion	3,	1
	Memorandum on soil erosion	3,	4
	Supplementary memorandum on soil erosion ..	3,	11
	Cover crops	3,	39
	Quarterly reports on the work of the Scientific Staff	3,	65
	.. .. .	3,	94
	.. .. .	3,	132
	Tea disease in Nyasaland, Unhealthy seedlings; Nettle Grub	3,	71
	Small scale experimental machinery for the St Coombs factory	3,	85
	Some problems relating to tea	3,	87
	Unhealthy seedlings	3,	107
1931	Pruning experiments: soil erosion	4,	1
	Review of the Institute's programme	4,	17
	Manufacture, cover crops; Nettle grub; Factory Hand-book; Empire Marketing Board ..	4,	71
	Cooled rollers	4,	88
	Establishment of tea seed gardens	4,	98
	Review of the work of the Scientific Staff, April-September, 1931	4,	138
1932	Tea Machinery, The McKercher CTC Roller ..	5,	27
	Soil erosion: Moisture in tea	5,	45
	Review of the work of the Scientific Staff, January—March, 1932	5,	70
	The TRI Conference; Small-holdings; Nettle Grub; Tea Cider; Moisture in tea; Insecticides; Manuring tea in Russia	5,	79
	TRI Conference; Tea Restriction; Tortrix; Witches Broom; Tea Cider; Bag Worms ..	5,	134
	Tea Restriction	5,	137
	Notes on the work of the Scientific Staff ..	5,	156
1933	Review of the Institute's activities	6,	3
	Tea Research Institute Cess	6,	139
1934	Visitors day; Pruning experiments, manuring, ..	7,	1
	Tea Research Institute Cess; tea manufacture; pruning cycles; German Gourdon Insect Catcher	7,	42
	Review of the activities of the Tea Research Institute	7,	45
	Compost; deterioration of teas in transit; Vegetative propagation of tea	7,	157

1935	Packing of tea	8,	1
	Review of the Institute's programme of work		
	"Gay"; Dryer tests	8,	75
	Foreign matter in tea; Composts <i>etc</i>	8,	122
	Passara Sub-station; tea manufacture; tea soils	8,	168
1936	Tea Tasters' Terms	9,	1
	Tannin content of unblended teas; Compost		
	analysis; advice on manurial scheme, tea		
	machinery	9,	43
	Soil erosion: tea manufacture; removal of shade		
	trees	9,	97
	TRI Conference; smallholdings; fuel supplies;		
	sprayers	9,	130
	Soil erosion	9,	133
1937	The work of the TRI (5th Conference)	10,	3, 141
	Introduction to discussion on tea manufacture	10,	53
	Notes-Grading of tea; Seed Bearers	10,	230
1938	Tea supplies; Application of science in tea	11,	1
	Grevilleas; Crotalaria; manual of weeds	11,	49
	Meta-bran bait; taring of tea chests; rolling	11,	117
	TRI Conference; guest house	11,	183
1939	Diseases and pests; Tea Tortrix	12,	54
	Some manufacturing problems	12,	55
	Further tests with the Clivemeare roller	12,	147
	Fertilizers; Food production <i>etc</i>	12,	158
1940	Packing materials, Fertilizer supplies	13,	1
	Shot-hole Borer	13,	51, 97, 135
1941	Fertilizer supplies	14,	1
	Tea chests from local woods; <i>Helopeltis</i> ; Ash		
	content of tea; specimens of weeds and green		
	manures	14,	90
1942	Food production on estates	15,	1, 21, 24
1943	Fertilizer rationing and distribution	16,	1
	Fertilizer supplies, rubber manure; tea manure;		
	Food production on estates	16,	29
1944	Fertilizer rationing and distribution	17,	1
1946	Fertilizer rationing for 1946	18,	1
1947	Blister Blight; Fertilizer rationing <i>etc</i>	19,	33
	Fertilizer distribution; green manure, blister		
	blight	19,	77
	Report on a visit to South India	19,	109
1949	The work of the TRI (8th Conference)	20,	4
	John A. Rogers—An appreciation	20,	47
	Report of addresses on Blister Blight given before		
	the Standing Committee of the Agency Section		
	of the P. A. of Ceylon, 1949	20,	48
	Blister blight symposium 1949	20,	100

Noyes, G. B.

1957	Storage of tea seed	28,	55
------	-----------------------------	-----	----

P

Page, H. J.

1938	The use of statistics in field experiments with		
	rubber trees	11,	69

Palmer, W. A.

1934	Some notes on experimental manufacture of medium grown leaf at a higher elevation ..	7,	171
------	--	----	-----

Park, P. O.

1956	Introduction to the 1955 series of blister control experiments	27,	3
	Spraying trials in 1955 using 50% copper fungicides	27,	7
	Dusting trials in 1955 using 40% blended dusts ..	27,	10
	Small scale assay of fungicides	27,	14

Park, W. W.

1963	Shade trees	34,	93
------	-------------------	-----	----

Paterson, H. C.

1950	Root disturbances with special reference to tea cultivation	21,	23
------	---	-----	----

Pathmanathan, S.

1955	Comments on Mr Newton's views on the financial aspects of replanting tea	26,	80
------	--	-----	----

Paul, W. R. C.

1956	Address at shot-hole borer symposium ..	27,	106
------	---	-----	-----

Pearce, S. C.

1959	A recent study of the results of some Ceylon tea fertilizer trials	30,	93
------	--	-----	----

Perera, B. P. M.

1965	Carbohydrates in tea plants: 1—The carbohydrates of tea shoot tips	36,	6
1966	Carbohydrates in tea plants: 2—The carbohydrates in tea roots	37,	86
1967	The localization of the polyphenol oxidase of tea leaf	38,	309
1969	Studies on the quality and flavour of tea: 4—Observations on the biosynthesis of volatile compounds	40,	26

Perera, K. P. W. C.

1965	Effects of method of manufacture on the oxidation of polyphenols and chlorophyll ..	36,	167
1966	Analysis of "cream" of tea	37,	131
	Analysis of polyphenols, amino acids and chlorophyll levels in tea at different seasons ..	37,	232
1967	An anti-oxidant in tea	38,	36
	The localization of the polyphenol oxidase of the tea leaf	38,	309

1968	Studies on the quality and flavour of tea : 3—Gas chromatographic analyses of the aroma complex	39,	81
Perera, S. S.			
1955	Gotukola as a cover crop for tea	26,	148
Perera, V. H.			
1965	Effects of method of manufacture on the oxidation of polyphenols and chlorophyll ..	36,	167
1966	The blackness of tea and the colour of tip ..	37,	75
	Analyses of polyphenols, amino acids and chlorophyll levels in tea at different seasons ..	37,	232
Perkins, G. G.			
1950	A method of bringing tea plants into bearing without centering	21,	4
Petch, T.			
1928	Artificial farmyard manure	1,	6
	Parasitism of tea root disease fungi	1,	10
	Tea Tortrix	1,	23
	Wound gum	1,	27
	Enquiry (relating to seed of small-leaved hybrid jat of tea which does not flower abundantly) ..	1,	53
	<i>Fomes lignosus</i>	1,	64
	Callus	1,	67
	Blister Blight in India, <i>Exobasidium vexans</i> Massee	1,	75
	Diseases and pests of tea in Nyasaland ..	1,	80
	Review of monthly reports of the Scientific Staff of the TRI April-May	1,	85
	Facts about fertilizers	1,	97
	Introduced pests	1,	109
	Review of monthly reports of the Scientific Staff of the TRI June-August 1928	1,	112
1929	Combating the <i>Tephrosia</i> weevil	2,	22
Reviews			
1928	The absorption of moisture by made tea ..	1,	24
	Mealy bug	1,	26
	New ideas in factory practice	1,	48
	Insulation on driers	1,	74
	New fungi on tea in Italy	1,	82
	Notes on root diseases	1,	104
	Ceylon disease fungi	1,	106
Pethiyagoda, T. B.			
1958	Some practical aspects of rehabilitation and replanting	29,	166

Pethiyagoda, U.

1963	Suggested schemes for level of manuring of mature tea	34,	106
	Notes on a visit to the 10th Annual Scientific Conference of the UPASI and to some estates ..	34,	172
1964	Some observations on the dormancy of the tea bush	35,	74
1965	The determination of leaf area in tea	36,	48
	The influence of 'lungs' on carbohydrate reserves and growth of tea shoots	36,	88
1966	The importance of the time of pruning in relation to recovery	37,	80
1967	Physiology as a key to rational tea husbandry ..	38,	128
	Current trends in physiological enquiry	38,	249
1969	Studies on the mineral nutrition of tea : 3—Techniques for growing tea plants in sand culture..	40,	145

Pfaeltzer, J. W.

1956	Studies in blister blight control : 7—An evaluation of some commercial fungicides for the control of Blister Blight	22,	52
------	---	-----	----

Phillips, W. W. A.

1956	The dispersal of <i>Drymaria cordata</i> by ground feeding birds	27,	73
------	--	-----	----

Portsmouth, G. B.

1949	Blister Blight—a review	20,	77
	Technical report on the blister blight situation in Ceylon III—Agricultural pests	20,	109
1950	Potash requirements of tea	21,	18
	Studies in blister blight control : 3—A warning regarding the possible dangers attendant on the continued adoption of pruning into the dry weather as an agricultural control measure ..	21,	27
	Crop protection during recovery from pruning ..	21,	11
	Crop protection by modified agricultural methods, Part 3—General considerations ..	21,	41
	"Wild flowers of the Ceylon Hills"—Review ..	21,	51
1951	Physiology of the tea bush	22,	73
	Field organisation	22,	86
	An estimate of the extent of crop losses on St Coombs following the arrival of Blister Blight	22,	90
	The role of green manuring in the maintenance of fertility of tea soils	22,	97
	The weed problem of tea estates	22,	101
	Report of the work carried out at the TRI in connection with the control of the Blister Blight Disease of tea during the period 1st April to 31st March 1951	22,	137
1952	In Memorium—The Hon. D. S. Senanayake ..	23,	1
1953	The principles of bush management	24,	17
	The principles of pest control : 3—Weedicides ..	24,	33
	13th International Horticultural Congress, 1952 ..	24,	65
	Questions and answers on banji and plucking ..	24,	68
	Potash deficiency in tea	24,	79

1954	A note on potash manuring	25,	17
	Vegetative propagation and clonal seed production	25,	75
	Shade requirements on tea in North India	25,	80
1955	The expansion of Ceylon tea production. The prospects of replanting and new planting	26,	10
	The expansion of clonal proving	26,	60
	A guide to the manuring of Ceylon tea (1955)	26,	116
1956	Manuring of Guatemala Grass	27,	45
	Some thoughts on forking	27,	67
	Opening and closing remarks on Shot-hole Borer	27,	91, 141
	The shot-hole borer problem	27,	92
1957	Factors affecting shoot production in tea (<i>Camellia sinensis</i>) when grown as a plantation crop:		
	1—Some effects of the length of plucking round on flush shoot production	28,	3
	2—The influence of climatic conditions and age from pruning on flush shoot production	28,	8
	3—The time factor and new shoot production	28,	21
	4—Inter-clonal variation in the effects of apical dominance	28,	30
	Guatemala Grass in relation to <i>Poria</i> and meadow eelworm	28,	54

Price, R. C. H.

1965	Bringing vegetatively propagated tea into production : Observations in the low-country	36,	33
------	--	-----	----

Pyper, G.

1956	Views of the Kandy Planters' Association	27,	127
1958	Report by Kandy Representative at Symposium on Tea Rehabilitation and Replanting	29,	205

R

Rajapakse, G. B.

1962	The mite pests of Ceylon tea: Recognition and control	33,	189
	An alternative to DDT for tortrix control: <i>Dip-terex</i>	33,	196

Rajendran, N. S.

1965	The determination of leaf areas in tea	36,	48
1969	Fertilizer recommendation for tea in Ceylon—1969 Evaluation of herbicides for weed control in mature tea: 1—Effects on the weed species	40,	129
		40,	160

Rajiah, E. S.

1954	<i>Eupatorium riparium</i> Benth (Compositae) A common up-country weed	25,	27
------	--	-----	----

1957	Factors affecting shoot production in tea (<i>Camellia sinensis</i>) when grown as a plantation crop : 3—The time factor and new shoot production	28,	21
Ramaswamy, M. S.			
1958	The chemistry of tea manufacture	29,	95
1959	Pectic substances in Ceylon tea	30,	86
1960	Copper in Ceylon teas	31,	76
1960	Biochemical studies on the organic matter in Ceylon	31,	136
1962	The chemical basis of liquoring characteristics of Ceylon tea :		
	1— Fermentation, condensation and quality of the tea liquors	33,	56
1963	2— Relationship between the composition of tea liquors and the valuation for the liquoring characteristics of black tea	34,	56
1964	3— The effect of elevation and climatic conditions on the tea liquors	35,	164
Ranaweera, D. J. W.			
1954	A note on yellow mite of tea	25,	20
1955	The scarlet mites of the genus <i>Brevipalpus</i> as pests of tea in Ceylon	26,	127
1958	Acaricidal trials against the scarlet mites, <i>Brevipalpus australis</i> Tucker, on tea	29,	125
1962	The Chemical control of Shot-hole Borer with dieldrin; interim report on estate trials 1960/61	33,	5
	Termites on Ceylon tea estates	33,	88
	The mite pests of Ceylon tea: Recognition and control	33,	189
	An alternative to DDT for tortrix control: Dip-terex	33,	196
1966	The chemical control of the Twig Caterpillar (<i>Ectropis bhurmitra</i>) in tea	37,	200
1968	The chemical control of Tea Tortrix (<i>Homona coffearia</i> Nietner)	39,	50
Rau, A. S.			
1949	Technical reports on the blister blight situation in S. India : 1—Present position and control	20,	111
1956	Shot-hole Borer in S. India	27,	123
Redlich, W. W.			
1962	"Black Blight" a leaf spot disease in the low country caused by <i>Rhizoctonia solani</i> Kuhn.	33,	105
	Results of a survey of Red Root Disease (<i>Poria hypolateritia</i> Berk) in Ceylon tea	33,	141
1964	An experiment on the control of maintenance-leaf fall by certain sanitary measures	35,	200
1965	Control of <i>Poria</i> Root Disease with methyl bromide	36,	144

Reitsma, J.			
1949	Technical report on the blister blight situation 1: —The position in Sumatra	20,	123
Rettie, W. J.			
1940	Opening address at the discussion on manuring and cultivation at the TRI Sub-conference, 1940	13,	18
1953	Shade trees for tea	24,	90
Richards, A. V.			
1964	A note on the identification of some TRI clones	35,	168
	Some observations on drought resistance of tea clones	35,	169
	Progress in planting clonal tea in Ceylon ..	35,	176
1965	A revised fertilizer mixture for nurseries—T55 ..	36,	43
	<i>Addendum:</i> A revised fertilizer mixture for nur- series	36,	137
	The origin of the popular TRI clones ..	36,	183
1966	The breeding, selection and propagation of tea ..	37,	145
1967	The development of clonal tea in Ceylon ..	38,	139
	Some observations on the performance of the popular estate and TRI clones	38,	245
Richardson, A. E.			
1953	The field stalk clipper	24,	48
Ridler, W. F. A.			
1935	The use of steam in tea factories	8,	147
1941	Steam heating of air for tea drying machines ..	14,	40
Riminton, J. G.			
1962	Selection of areas for tea replanting ..	33,	44
Roberts, E. A. H.			
1958	The estimation of theaflavins and thearubigins in made tea	29,	99
1961	The nature of phenolic oxidation products in manufactured black tea	32,	190
Roberts, G. R.			
1967	The localization of the polyphenol oxidase of tea leaf	38,	309
Roe, D.			
1958	Some observations on the use of magnesium sul- phate for a chlorosis of tea	29,	132
1961	Wedge-pruning	32,	100
Rodrigo, W. R. F.			
1966	Studies in Collar and Branch Canker of young tea (<i>Phomopsis theae</i> Petch). 1—Recent observa- tions on disease incidence	37,	221

Rose, E. S.

1953	A note on lime washing	24,	94
1955	Practical aspects of replanting	26,	49

Russel, Sir John

1939	Soil management	12,	16
1952	Wastage of world food supplies through diseases and pests	23,	27

Ryan, C. E. V.

1943	Some notes on the selection of high-yielders on Doomvagastalawa Estate, Kotmale ..	16,	45
------	--	-----	----

S

Sabanayagam, J. V.

1958	Blister blight control in 1957 with respect to fungicidal formulation, application rates and yield	29,	9
	A note on the effect of different copper preparations on tea yields	29,	45
1962	The influence of sunshine and rain on tea blister blight (<i>Exobasidium vexans</i> Masee), in Ceylon	33,	34
	'Black Blight' a leaf spot disease of tea in the low country caused by <i>Rhizoctonia solani</i> Kuhn ..	33,	105

Salgado, N. L. M.

1939	Note on the loss of ammonia from fertilizer mixtures	12,	140
------	--	-----	-----

Samarasingham, S.

1968	Manufacturing properties of Ceylon tea clones ..	38,	29
------	--	-----	----

Samaraweera, C. S.

1958	Vote of thanks by Chairman LCPA at the Symposium on tea rehabilitation and replanting ..	29,	235
------	--	-----	-----

Sandanam, S.

1965	Chemical weed control in tea	36,	22
------	--------------------------------------	-----	----

Sanderson, G. W.

1963	Recent advances in tea manufacture in N. E. India	34,	179
	The chloroform test—a study of its suitability as a means of rapidly evaluating fermenting properties of clones	34,	193
1964	Chemical composition of fresh tea flush as affected by clone and climate	35,	101
	The theory of withering in tea manufacture ..	35,	146
	Further studies on the effect of climate on the chemical composition of fresh tea flush ..	35,	222
	Rotorvane manufacturing techniques ..	35,	230

1965	Carbohydrates in tea plants : 1—The carbohy- drates of tea shoot tips	36,	6
	<i>Addendum</i> : Rotorvane manufacture techniques ..	36,	82
	On the nature of the enzyme catechol oxidase in tea plants	36,	103
	On the chemical basis of quality in black tea ..	36,	172
1966	Effect of leaf age on photosynthetic assimilation of carbon dioxide in tea plants	37,	11
	Carbohydrates in tea plants : 2—The carbohy- drates in tea roots	37,	86
	Translocation of photosynthetically assimilated carbon in tea plants	37,	140
Saravanapavan, T. V.			
1968	Tea Cider: A potential winner	38,	37
Sastri, B. N.			
1931	Some aspects of tea manufacture	4,	124
Scoles, G. L.			
1950	The application of crop protection methods Part 1—Wet spraying	21,	22
Scott, A. D.			
1963	Up and down pruning: mid- and up-country obser- vations	34,	198
1965	A note on die-back in relation to pre-pruning practice	36,	190
1966	<i>Addendum</i> : A note on die-back in relation to pre- pruning practice	37,	95
Scott, R. C.			
1940	A new type of direct-fired air heater for drying tea	13,	73
1949	Closing remarks by Chairman of the Board at the 8th TRI Conference, 1949	20,	42, 146
1950	R. V. Norris—An appreciation	21,	1
1951	Opening address by Chairman of the Board at the 9th TRI Conference, 1950	22,	2
1953	Opening address by Chairman of the Board at the 10th TRI Conference, 1963	24,	46
	Chairman's summary at the end of 10th TRI Conference, 1953	24,	46
1958	Report by the Dimbula-Dickoya representative at the Symposium on tea rehabilitation and replanting, 1958	29,	207
Seevaratnam, L. A.			
1967	A planter's battle of today	37,	116
1968	The importance of soil air for tea root growth ..	38,	42

Sebastiampillai, A. R.		
1964	A note on the identification of some TRI clones	35, 168
Selvendran, R. R.		
1969	Metabolism of nucleotides and phosphate esters in tea shoots during black tea manufacture ..	40, 93
Senanayake, Dudley		
1967	Opening Address at Tea Centennial Conference ..	38, 224
Shanmugam, C.		
1962	Field experiments on the chemical control of shot-hole borer (<i>Xyleborus fornicatus</i> Eichh.) on tea soon after pruning	33, 69
1968	Recent developments on research on shot-hole borer control	39, 49
Shanmuganathan, N.		
1958	Blister blight control in 1957 with respect to fungicidal formulation, application rates and yield ..	29, 9
	A note on the effect of different copper preparations on tea yields	29, 45
1959	The possibility of timing blister blight spraying according to sunshine records	30, 39
	Oil spot of tea leaves—A new disease? ..	30, 44
1962	The influence of sunshine and rain on tea (<i>Exobasidium vexans</i> Masee) in Ceylon ..	33, 34
1963	Notes on a visit to the 10th Annual Scientific Conference of the UPASI and to some tea estates	34, 172
	Further observations on the Oil Spot Disease of tea	34, 184
1964	Recent developments in the control of <i>Poria</i> Root Disease	35, 22
	An experiment on the control of maintenance leaf fall by certain sanitary measures ..	35, 200
1965	Collar and branch canker in young tea caused by <i>Phomopsis theae</i>	36, 14
	Notice to estates on the use of methyl bromide for controlling <i>Poria</i> Root Disease ..	36, 137
	Control of <i>Poria</i> Root Disease with methyl bromide	36, 144
1966	Epidemiology of tea Blister Blight (<i>Exobasidium vexans</i>) 1—Sporulation	37, 168
	Epidemiology of tea Blister Blight (<i>Exobasidium vexans</i>) 2—The diurnal and seasonal periodicity of spores in the air over a tea estate ..	37, 175
	Studies on Collar and Branch Canker of young tea (<i>Phomopsis theae</i> Petch) 1—Recent observations on disease incidence	37, 221
1967	Diseases—the enemies of tea	38, 143
	The economics of <i>Poria</i> eradication	38, 253
	Some observations on <i>Poria</i> control by soil fumigation with methyl bromide	38, 311
1967	Studies on Collar and Branch Canker of young tea (<i>Phomopsis theae</i> Petch) 2—Influence of soil moisture	38, 322

1968	Susceptibility of tea clones to Collar and Branch Canker (<i>Phomopsis theae</i> Petch)	39,	92
1969	Studies on the parasitism and control of tea root disease fungi in Ceylon	40,	19
	Laboratory and green house evaluation of some soil fumigants for toxicity against five root pathogens of tea	40,	99
	Studies on Collar and Branch Canker of young tea (<i>Phomopsis theae</i> Petch) 3.—Clonal resistance	40,	164
Shell Co. of Ceylon Ltd			
1936	Liquid fuel for tea firing	9,	111
	Studies on fuel for tea driers—stoves and furnaces with special reference to oil-burning installations	9,	177
1940	A new type of direct-fired air heater for drying tea	13,	73
Shrikhande, J. C.			
1943	Note on the availability of nitrogen in ground nut cake and coconut poonac	16,	18
Singleton-Salmon, R.			
1947	Opening address by the Acting Chairman of the Board at 7th TRI Conference	19,	1
Sivapalan, P.			
1967	Recovery of <i>Pratylenchus loosi</i> from soil samples	38,	29
	Nematodes and tea	38,	178
	Nematode problems in tea	38,	260
1968	Potato cultivation and root-lesion nematode of tea	39,	4
1969	Further developments in the control of the root lesion nematode (<i>Pratylenchus loosi</i>) in tea nurseries	40,	111
	Evaluation of pre-planting nematicidal treatments in young tea plantings	40,	115
Sivapalan, K.			
1966	Effect of leaf age on photosynthetic assimilation of carbon dioxide in tea plants	37,	11
	Translocation of photosynthetically assimilated carbon in tea plants	37,	140
Somaratne, A.			
1969	Some effects of mulching on the growth of young tea	40,	153
Somerville, J. R.			
1964	The healing saw	35,	204
Soulbury, The Rt Hon. Lord			
1950	Address at the 9th TRI Conference, 1950 ..	21,	1

Southerland, D. S.

1958	Notes on the raising of tea plants vegetatively ..	29,	216
------	--	-----	-----

Stockdale, Sir Frank

1937	Soil erosion in the Colonial Empire ..	10,	209
1940	Soil conservation in the tropics ..	13,	85

Stromgreen, S.

1933	On the theory of water evaporation and its application to withering and drying of tea—Part I ..	6,	67
	On the theory of water evaporation and its application to withering and drying of tea—Part II ..	6,	104
1936	Characteristics of propeller fans ..	9,	80
1937	On measurement of temperature in gases ..	10,	129

T**Tambipillai, S.**

1951	Spraying experiment in the south-west monsoon ..	22,	15
------	--	-----	----

Tea Export Bureau of Batavia

1932	Tea Cider—a new drink in Java ..	5,	126
------	----------------------------------	----	-----

Temple, H. J.

1953	Comments on the Director's Review ..	24,	11
------	--------------------------------------	-----	----

Thirugnanasuntheran, K.

1966	Preliminary ecological studies on Shot-hole Borer and their reaction to the control of the pest ..	37,	28
1968	Further observations on the tolerance and susceptibility of tea clones to shot-hole borer infestation ..	39,	6
1969	Observations on the tolerance and susceptibility of tea clones to shot-hole borer infestation—1969 ..	40,	47

Thomson, W. R.

1932	Fitting artificial manuring to green manure supplies ..	5,	83
------	---	----	----

Tillekeratne, L. M. de W.

1958	Observations on the germination and storage of tea pollen and seed ..	29,	30
	Methods of rehabilitation and replanting ..	29,	247
1966	Zinc foliar sprays—Recommendations ..	37,	73
1967	Progress with research on tea in Uva ..	38,	193

Tirimanna, A. S. L.

1965	Studies on the quality and flavour of tea : 2—The carotenoids ..	36,	115
1966	A study of the terpenes and sterols in black tea by thin layer chromatography ..	37,	134
	The separation and identification of vitamin E in black tea ..	37,	229
1967	An anti-oxidant of tea ..	38,	36
	Aroma complex with special reference to tea ..	38,	293
	Acid phosphates of the tea leaf ..	38,	320

Tolhurst, J. A. H.

1954	The mixture as prescribed	25,	51
	Magnesium and manganese deficiencies in the nutrition of the tea bush	25,	84
1955	Future considerations in the nutrition of the tea bush	26,	37
	Soil sampling for pH and eelworm tests	26,	112
	A guide to the manuring of Ceylon tea (1955)	26,	16
	Why magnesium ?	27,	36
	Dolomite	27,	38
	Ideas on the experimental replanting of tea	27,	60
	Notes on soil pH	27,	70
	Manuring Guatemala Grass	27,	45
	Improved fungicides	27,	73
	Manuring of tea and possible connections with shot-hole borer attack	27,	120
1957	Soil conservation under the plantation system of tea cultivation in Ceylon	28,	50
1958	Comments	29,	3
	A discussion on the relation between quality and manuring	29,	5
	General principles of soil rehabilitation	29,	164
	A summary of the Institute's recommendations on soil rehabilitation prior to replanting	29,	251
1959	General principles of soil cultivation and of methods of manure application to tea	30,	19
	Revised suggestions for dolomite and magnesium sulphate applications to tea	30,	48
	Guatemala grass roots in soil rehabilitation	30,	117
1960	Complexities in plant nutrition and their relation to plant nutrition	31,	98
1961	Organic matter in Ceylon tea soils	32,	16
	Manuring mature tea: the new T700 series	32,	148
	Manuring young tea—1961	32,	152
	Manuring of nurseries : 2—TRI nursery manure: a completely soluble inorganic mixture	32,	220
1962	Zinc deficiency of tea in Ceylon	33,	134
1963	Suggested schemes for level of manuring mature tea	34,	106
	Concluding report on a phosphate manurial trial: St Coombs	34,	144
	Manganese deficiency symptoms of tea	34,	148
	Manuring young tea: Placement and new types of fertilizer	34,	188
	A review of present ideas on hard pruning	34,	197
1964	Observations on the progress of certain manurial trials on St Coombs	35,	57
	Introduction to the discussion on manurial advisory policy	35,	70
	Magnesium manuring	35,	130
	Interpretation of analysis	35,	132
	Forking	35,	134
	Pruning clone TRI 2024; Observations in the mid-country	35,	174

1965	A revised fertilizer mixture for nurseries T55 ..	36,	43
	Economising on phosphate and potash for mature tea	36,	45
	Addendum: A revised fertilizer mixture for nurseries	36,	137
1966	Extension experiments	37,	47
	Zinc foliar sprays: Recommendations 1966 ..	37,	73
	Frequency of application of fertilizers ..	37,	94
	Omission of phosphate—Up-country ..	37,	94
	Alternate <i>versus</i> double-row application of fertilizer	37,	95
1967	Fertilizer usage—past effects and predictions for the future	38,	125
	Fertilizers and productivity	38,	239

Tabbs, F. R.

1931	Some physical aspects of pruning	4,	40
	Pruning terminology	4,	101
	Physiological work in tea	4,	103
	Defoliation	4,	106
	The introduction of tea into Ceylon	4,	108
1932	Wood healing processes	5,	22
	The distribution of branches and flush within a tea bush	5,	25
	The germination of tea seed	5,	66
	Dieback	5,	108
	Notes on tea seed size	5,	113
	Defoliation: 2—The effect of defoliation on the yield of flush and on the thickness of the pruning wood	5,	148
1953	Recovery from pruning	6,	11
	Resting the tea bush	6,	81
	The growth of tea stumps	6,	98
	A note on the variability of tea seedlings ..	6,	118
1934	Pruning in relation to estate profits	7,	4
	Pruning of tea	7,	75
	A note on the size of tea flush	7,	142
	The effect of pruning on the occurrence of tea tortrix (<i>Homona coffearia</i>)	7,	146
1935	Tea Research in Ceylon	8,	85
1936	Drought and pruning	9,	25
	Supplying	9,	68
1937	The length of the pruning cycle	10,	21
	The maintenance of capital	10,	117
	Waste material from ravines	10,	175
	Note on lung pruning	10,	177
1938	Nursery selection	11,	8
	Replanting	11,	30
	Replanting: 2—Tea selection	11,	54
	Seed supply in relation to supplying and replanting	11,	160
	Some aspects of tea selection	11,	166
1939	The improvement of planting material ..	12,	38
	Address to the Ceylon Association in London—1939	12,	160

1946	Tea selection I & II	18,	59
	Note on the flowering of the so-called dwarf variety of <i>Artemesia vulgaris</i>	18,	65
	Taproots and lateral roots	18,	82
	Blister Blight	18,	90
	Tea selection: 2—The vegetative propagation of selected bushes	18,	91
	Pruning today	18,	112
1947	Blister Blight	19,	9
	The control of Blister Blight of tea	19,	34
	An interim report on blister blight situation for information of Agency Houses	19,	41
	A leaf disease of tea new to Ceylon	19,	43
	Notes on Blister Blight	19,	50
	Physiological investigations	19,	64
	Spraying and dusting in the control of Blister Blight of tea	19,	78
	The competition factor	19,	101
	Report on a visit to South India	19,	109
	A note on the propagation of Camelias	19,	116
1949	Plucking standards	20,	85
1964	Address at the 13th Conference of the TRI	35,	11
1967	Progress in industry—a musing	37,	215
Tukey, H. B.			
1954	A note on mulches	25,	41
Tutein-Nolthenius, A. C.			
1951	Replanting tea	22,	108
V			
Van der Kiste, W. R.			
1947	Blister Blight—Some financial aspects of its con- trol	19,	48
Van Emden, J. H.			
1949	Technical Report on the blister blight situation: 1—The position in Sumatra	20,	123
Visser, T.			
1956	Drought	27,	77
	Pathological and physiological implications of shot-hole borer investigations	27,	114
1958	Blister blight control in 1957 with respect to fungicidal formulation, application rates and yield	29,	9
	The validity of assessing tea yields on a basis of intermittent plucking and test plucking	29,	21
	Observations on the germination and storage of tea pollen and seed	29,	30
	Factors affecting the planting distance of tea	29,	36
	A note on the effect of different copper pre- parations on tea yield	29,	45

	Selection and vegetative propagation of tea ..	29,	76
	Clones cultivated, acreage under clones, yields and cuttings likely to be available ..	29,	237
	The position of clonal selection in Ceylon in relation to replanting ..	29,	154
1959	The effect of marigolds and some other crops on the <i>Pratylenchus</i> and <i>Meloidogyne</i> populations in tea soil ..	30,	30
	The possibility of timing blister blight spraying according to sunshine records ..	30,	39
	Observations on the prevalence and control of parasitic eelworms in tea ..	30,	96
	Practical aspects of the eelworm problem in tea ..	30,	143
1960	Plucking practice in relation to maintenance foliage ..	31,	38
	Estimations of organic matter supplied by regularly plucked tea bushes ..	31,	101
1960	Nitrogen deficiency in clonal plants ..	31,	153
1961	Interplanting in tea : 1—Effect of shade trees, weeds and bush crops ..	32,	69
	Interplanting in tea : 2—The interaction of shade with fertilizer applications ..	32,	113
	Potato cultivation on estates ..	32,	155
	Polythene bags <i>versus</i> bamboo supply baskets ..	32,	213
	Manuring of nurseries : 1—Experiments on the frequency of application of inorganic and organic mixtures ..	32,	216
	Manuring of nurseries : 2—TRI nursery manure. A completely soluble inorganic mixture ..	32,	220
1962	The influence of sunshine and rain on tea blister blight (<i>Exobasidium vexans</i> Massee) in Ceylon ..	33,	34

Vythilingam, M. K.

1959	The effect of marigolds and some other crops on the <i>Pratylenchus</i> and <i>Meloidogyne</i> populations in tea soil ..	30,	30
1963	The distribution of <i>Pratylenchus loosi</i> among tea estates in Ceylon with particular reference to altitude ..	34,	68
	Distribution of plant parasitic nematodes in the soils of tea estates in Ceylon ..	34,	119
1966	Soil samples for eelworm assessment ..	37,	27
	Replanting eelworm-infested areas ..	37,	67
	Fumigation of nursery soils with methyl bromide ..	37,	162
1967	The occurrence and control of the root lesion eelworm (<i>Pratylenchus loosi</i>) in nurseries ..	38,	22
	Resistance of tea clones and seedlings to the root-lesion eelworm <i>Pratylenchus loosi</i> ..	38,	42

Vythilingam, S. P.

1964	Clean pruning in the mid-country ..	34,	204
1966	Some aspects of tea culture in Southern India ..	37,	3

W

Waidyanatha, U. P. de S.

1966	Maintenance-leaf fall in low grown tea ..	37,	213
1968	Investigations with paraquat (Gramoxone) as a herbicide for weed control in low-grown tea ..	39,	11

Walters, T. E.

1950	Crop protection by modified agricultural methods :		
	I—The control of shade	21,	35
	Tea cultivation in Indonesia	21,	46
1951	Summary of discussions of the proceedings of the first day of the 9th TRI Conference ..	22,	4
	The low-country sub-station. An account of developments to date	22,	122
1952	A survey of some low-country problems ..	23,	60
	Drought	23,	109
1953	The principles of bringing new clearings into bearing in the low-country	24,	39
1954	Present activities in the low-country	25,	57
	Starch deficiency: A review of its causes and effects with special reference to types of pruning in the low-country	25,	96
1955	Future prospects in the low-country	26,	40
	Replanting in the low-country and associated problems	26,	150
1956	Field observations on the pest in the low-country	27,	107

Watt, Arthur

1960	Vegetatively propagated tea plants: growing and transplanting economically	31,	53
------	--	-----	----

Warusavitarne, B.

1959	The adoption of a three-year pruning cycle at Gallinda Estate, Talgaswella	21,	46
1967	Closing remarks Tea Centennial Conference ..	38,	296

Webber, C. R.

1951	Quick withering	22,	18
------	-----------------------	-----	----

Webster, B. N.

1952	Infection chains and Acacias	23,	70
	A note on pathological matters	23,	84
	Chemical and biological control of insects in perennial crops	23,	117
1953	Mycorrhiza	24,	26
1954	Notes on pathological matters: The submission of specimens	25,	17
	The "Cercospora" disease; Grevillea seedling disease: A note on soil sterilization ..	25,	42

1955	The future of disease control and prevention with particular reference to replanting	26,	24
	"Crop protection"	26,	115
1956	Developments in Blister Blight control : 1—Introduction to the 1955 series of blister blight control experiments	27,	3
	2—Spraying trials in 1955, using 50% copper fungicides	27,	7
	3—Dusting trials in 1955, using 4% copper blended dusts	27,	10
	4—Small scale assay of fungicides	27,	14
	"Practical Plant Protection"	27,	74
	Pathological and physiological implications of shot-hole borer investigations	27,	114
1957	Guatemala Grass in relation to <i>Poria</i> and meadow eelworm	28,	54
Weragoda, L. S.			
1964	Developments in Rotorvane manufacture ..	35,	96
	Withering on materials made of synthetic fibre ..	35,	171
Wettasinghe, D. T.			
1968	The use of diuron for weed control in mature low-grown tea	39,	119
1969	Evaluation of herbicides for weed control in mature tea: 1—Effects on the weed species ..	40,	160
Whitehead, F. J.			
1929	Modern tea manufacture—Ceylon	2,	38
1937	Factory organization	10,	70
Whitham, A. E.			
1966	Some observations on shear plucking of tea ..	37,	237
Wickremasinghe, R. L.			
1965	Studies on quality and flavour of tea : 1—The polyphenols and low-boiling volatile compounds	36,	59
	Studies on the quality and flavour of tea : 2—The carotenoids	36,	115
	Effects of methods of manufacture on the oxidation of polyphenols and chlorophyll	36,	167
1966	The blackness of tea and the colour of tip ..	37,	75
	Analysis of 'cream' of tea	37,	131
	A study of the terpenes and sterols in black tea by thin layer chromatography	37,	134
	The separation and identification of vitamin E in black tea	37,	229
	Analyses of polyphenols, amino acids and chlorophyll levels in tea at different seasons ..	37,	232
1967	An anti-oxidant in tea	38,	36
	Fact and speculation in the chemistry and biochemistry of tea manufacture	38,	205
	Aspects of the biochemistry of tea	38,	287
	The localization of the polyphenol oxidase of tea leaf	38,	309

1968	Some observations of tea in Japan	39,	25
1969	Studies on the quality and flavour of tea : 3— Gas chromatographic analyses of the aroma complex	39,	81
	Studies on the quality and flavour of tea : 4—Observations on the biosynthesis of volatile compounds	40,	26
Widdows, J. O.			
1953	Vegetative propagation in relation to the re-planting of poor yielding areas	24,	43
Wight, W.			
1955	Selection and seed production policy in Assam ..	26,	72
Wijeratne, J.			
1966	Uprooting old tea using a Hesford winch ..	37,	59
Wilkinson, C. H.			
1933	Some indigenous weeds	6,	176
Wilson, C. A.			
1956	Views of the Nuwara Eliya District Planters' Association at Shot-hole Borer Symposium 1956.	27,	129
Worthington, C. H.			
1962	Bringing tea into bearing: to prune or to bend ..	33,	166
Worthington, T. B.			
1952	The identification of Australian wattles (Acacias) introduced into Ceylon	23,	73
Wright, S. J.			
1953	A note on mechanization	24,	22
	Report on the possibilities of mechanizing tea cultivation in Ceylon	24,	57
	The mechanization of the farm	24,	98
Wright, L. A.			
1931	Tribute to Mr R. G. Coombe	4,	65
Y			
Yogarathnam, N.			
1969	Fertilizer responses in low-grown clonal tea ..	40,	53
Yuille, H. B.			
1935	A glossary of tea tasters' terms	8,	183
Yamanishi, T.			
1968	Studies on the quality and flavour of tea : 3—Gas chromatographic analyses of the aroma complex	39,	81
Z			
Zair, J. H.			
1961	A useful ground cover for clearings	32,	103

CLASSIFIED INDEX TO TITLES OF PAPERS

A

Acidity, Soils *see* **Soils, Acidity**

Addresses at Conferences

Address by Chairman, 1st TRI Conference (R. G. Coombe)	2,	35
Address by Chairman, 2nd TRI Conference (R. G. Coombe)	4,	14
Address by Chairman, 3rd TRI Conference (A. G. Baynham)	6,	1
Address by Chairman, 4th TRI Conference (James Forbes)	8,	4
Address by Chairman, 5th TRI Conference (R. G. Coombe)	10,	1
Address by Chairman, 6th TRI Conference (James Forbes)	12,	3
Address by Chairman, 7th TRI Conference (R. Singleton-Salmon)	19,	1
Address by Chairman, 8th TRI Conference (R. C. Scott)	20,	2
Address by Chairman, 9th TRI Conference (R. C. Scott)	22,	2
Address by Chairman, 10th TRI Conference (R. C. Scott)	24,	3
Address by Chairman, 11th TRI Conference (H. S. Hurst)	26,	85
Address by Chairman, 12th TRI Conference (F. Amarasuriya)	32,	6
Address by Chairman, 13th TRI Conference (F. Amarasuriya)	35,	6
Address by Chairman, Centennial Conference (F. Amarasuriya)	38,	221, 300
Address by Director, Proefstation West Java, 5th TRI Conference	10,	14
Address by Director, TRI at Centennial Conference	38,	229, 300
Address by the Governor General of Ceylon, H.E. the Rt. Hon. Lord Soulbury at the 9th TRI Conference	21,	1
Address by Chairman, Low-Country Products Association 2nd TRI Conference	4,	29
Address by H.E. Officer Adminstrating the Government at 2nd TRI Conference (Sir B. H. Bourdillon)	4,	16
Address by the Minister of Agriculture & Food at 10th TRI Conference (Sir Oliver Goonetilleke)	24,	4
Address by the Minister of Agriculture at 11th TRI Conference (Hon. J. R. Jayawardena)	26,	81
Address by the Minister of Agriculture, Land and Irrigation at 12th TRI Conference (Hon. C. P. de Silva)	32,	7
Address by the Minister of Agriculture, Food and Co-operative at 13th TRI Conference (Hon. F. R. Dias Bandaranaike)	35,	8
Address by Prime Minister of Ceylon at Centennial Conference (Hon. Dudley Senanayake)	38,	224
Address by Chairman, S.A.C.U.K. at 13th TRI Conference (Dr F. R. Tubbs)	35,	11, 119, 124
Address by Mr S. K. Dutta—Tocklai Experimental Station	35,	114
Address by Dr K. T. Hassan—Pakistan Tea Research Station	35,	116
Address by Dr C. S. Venkataram, UPASI, Tea Research Station	35,	118
Address by Mr V. Ratnayaka, Chairman, P.A. of Ceylon	35,	122
Address by Mr B. Warusavitarane, Chairman, P.A. of Ceylon	38,	296
Address by Mr T. C. A. de Zoysa, Chairman, L.C.P.A. of Ceylon	38,	298
Comments on the Director's Review, 10th TRI Conference (Mr H. J. Temple)	24,	11

Addressès at Planters' Associations

Address to the Low Country Products Association (F. R. Tubbs)	19,	34
---	-----	----

Address to Planters' Associations :

Dickoya, PA

i. T. Eden	7,	134
ii. T. Eden	8,	79
iii. C. H. Gadd	12,	110
iv. C. B. Redman-king	10,	187
v. J. Lamb	22,	45
vi. G. B. Portsmouth	22,	101

Dimbulla, PA

i. T. Eden	12,	166
ii. C. H. Gadd	12,	110
iii. J. Lamb	22,	45
iv. F. R. Tubbs	7,	75
v. F. R. Tubbs	11,	54

Dolosbage — Kotmale, PA

i. T. Eden	5,	28
ii. T. Eden	7,	83
iii. F. R. Tubbs	11,	166

Dolosbage — Yakdessa, PA

i. T. Eden	2,	96
--------------------	----	----

Kegalle, PA

i. T. E. Walters	23,	109
--------------------------	-----	-----

Madulkelle, PA

i. T. Eden	9,	59
ii. T. Eden	11,	22
iii. F. R. Tubbs	9,	68

Morawak — Korale, PA

i. T. Eden	7,	93
ii. T. Eden	18,	12
iii. J. Lamb	25,	63
iv. T. E. Walters	23,	60
v. T. E. Walters	26,	150

Nuwara Eliya, PA

i. T. Eden	8,	177
ii. C. H. Gadd	10,	183
iii. C. H. Gadd	12,	110
iv. G. B. Portsmouth	21,	18
v. F. R. Tubbs	11,	30

Pussellawa, PA

i. T. Eden	3,	17
ii. F. R. Tubbs	19,	43

Sabaragamuwa, PA

i. T. Eden	4,	113
ii. T. Eden	8,	126
iii. T. Eden	10,	167
iv. C. H. Gadd	6,	59
v. F. R. Tubbs	7,	4
vi. F. R. Tubbs	10,	117
vii. F. R. Tubbs	11,	160

Southern Province, PA

i. T. Eden	11,	187
ii. G. B. Portsmouth	22,	97

Uva, PA

i. T. Eden	9,	59
ii. T. Eden	11,	22
iii. J. Lamb	22,	45
iv. R. V. Norris	9,	133
v. F. R. Tubbs	9,	25

Address to standing Committee of Agriculture of the P.A. of Ceylon (T. Eden)	8,	151
--	----	-----

Report of address at meeting of Standing Committee of the Agency Section of the P.A. of Ceylon (R. V. Norris) ..	20,	48
--	-----	----

Talk at Morawak Korale Planters' Association (J. Lamb) ..	25,	63
---	-----	----

Addresses at Ceylon Association in London

Address by T. Eden	10,	110
Address by C. H. Gadd	11,	121
Address by J. Lamb	18,	74
Address by R. V. Norris	10,	141
Address by F. R. Tubbs	8,	85
Address by F. R. Tubbs	12,	160

Addresses at other organisations

Address to the Central Board of Agriculture (James Forbes)	7,	56
Address to the Central Board of Agriculture (R. V. Norris)	7,	45
Address to the members of the House of Representatives (J. Lamb)	23,	100
Address at the Plant Protection, 1st International Conference (Sir J. Russell)	23,	27
Address at the Plant Protection, 2nd International Conference (Sir Frank Engledow)	27,	55

Air Conditioning

Air conditioning and some of the principles involved 1 & 2 (D. J. Evans)	2,	89
Air conditioning in tea factories (J. Lamb)	11,	151
Appliances, Spraying <i>see</i> Spraying Appliances		

B

Beverages

Tea cider—A new drink in Java	5,	126
Tea cider (C. H. Gadd)	6,	48
Tabloid tea	20,	35
A revival of tea cider (D. Mulder)	32,	222
Tea cider—A potential winner (R. L. de Silva)	39,	37

Biochemical aspects of Tea

Copper in Ceylon tea (M. S. Ramasamy)	31,	76
The nature of phenolic oxidation products in manufactured black tea (E. A. H. Roberts)	32,	196
The chemical basis of liquoring characteristics of Ceylon tea:		
1— Fermentation, condensation, and quality of tea liquors (M. S. Ramasamy)	33,	156
2— Relationship between the composition of the tea liquors and the valuations of the liquoring characteristics of black tea (M. S. Ramasamy)	34,	56
3— The effect of elevation and climatic conditions on the composition of tea liquors (M. S. Ramasamy)	35,	164
The chemical composition of fresh tea flush as affected by clone and climate (G. W. Sanderson)	35,	101
Further studies on the effect of climate on the chemical composition of fresh tea flush (G. W. Sanderson)	35,	222
Carbohydrates in tea plants: 1—The carbohydrates of tea shoot tips (G. W. Sanderson)	36,	6
2— The carbohydrates of tea roots (G. W. Sanderson)	37,	86

Studies on the quality and flavour of tea :

1— The polyphenols and low-boiling volatile compounds (R. L. Wickremasinghe)	36,	59
2— The carotenoids (A. S. L. Tirimanna)	36,	115
Effects on the methods of manufacture on the oxidation of polyphenols and chlorophylls (R. L. Wickremasinghe)	36,	167
On the chemical basis of quality in black tea (G. W. Sanderson)	36,	172
Effect of leaf age in photosynthetic assimilation of carbon dioxide in tea plants (G. W. Sanderson)	37,	11
The blackness of tea and the colour of tip (R. L. Wickremasinghe)	37,	75
Analysis of cream of tea (R. L. Wickremasinghe)	37,	131
A study on the terpenes and sterols in black tea by thin layer chromatography (A. S. L. Tirimanna)	37,	134
Translocation of photosynthetically assimilated carbon in tea plants (G. W. Sanderson)	37,	140
The separation and identification of vitamin E in black tea (A. S. L. Tirimanna)	37,	229
Analyses of polyphenols, amino acids and chlorophyll levels in tea flush at different seasons (R. L. Wickremasinghe)	37,	232
An anti-oxidant in tea (A. S. L. Tirimanna)	38,	36
Facts and speculation in the Chemistry and Biochemistry of black tea manufacture (R. L. Wickremasinghe)	38,	205
Aspects of the biochemistry of tea manufacture (R. L. Wickremasinghe)	38,	287

Aroma complex with special reference to tea (A. S. L. Tirimanna)	38,	293
The localization of the polyphenol oxidase of tea leaves (R. L. Wickremasinghe)	38,	309
Acid phosphatases of the tea leaf (A. S. L. Tirimanna)	38,	331
Studies on the quality and flavour of tea: 3—Gas chromatographic analysis of the aroma complex (T. Yamanishi) ..	39,	81
Studies on the quality and flavour of tea: 4—Observations on the biosynthesis of volatile compounds (R. L. Wickremasinghe)	40,	26
Metabolism of nucleotides and phosphate esters in tea shoots during black tea manufacture (R. R. Selvendran)	40,	93

Biological Control of Pests *see* **Control of Pests, Biological**

Bearing, bringing into *see* **Bringing into Bearing**

Blister Blight Control

Control of blister blight of tea (F. R. Tubbs)	19,	34
Impressions of the blister blight control problem (F. J. W. Lane)	20,	132
Impressions of the blister blight control problem (R. M. Greenslade)	20,	134
Studies in blister blight control :		
1—The programme of research (J. Lamb)	21,	12
2—Preliminary results of tests with fungicides (C. A. Loos)	21,	13
A warning regarding the possible dangers attendant on the continued adoption of pruning into dry weather as an agricultural control measure (G. B. Portsmouth)	21,	27
Mechanical dusting against Blister Blight (H. Dike)	21,	29, 32
An evaluation of some commercially available fungicides (J. W. Pfaltzer)	22,	52
Power dusting with Cuprosana dust containing 2%, 4% and 6% copper (C. A. Loos)	22,	125
Trials conducted with the "Micron" power sprayer in connection with the application of oil based copper fungicides (C. A. Loos)	22,	133
Evaluation of some copper containing fungicidal dusts in the control of blister blight disease of tea (C. A. Loos)	23,	16
The effect of spray residues on the quality of manufactured tea (E. L. Keegel)	23,	22
Dusting against Blister Blight on Alupolla Group, Ratnapura (C. A. Loos)	23,	76
Dusting and spraying against Blister Blight on Ury Group, Passara	24,	70
Further studies on the evaluation of some copper fungicidal dusts in the control of Blister Blight (C. A. Loos)	25,	10
"Blidust" trials under north east monsoonal conditions in Uva (C. A. Loos)	25,	13
Methods of fungicidal application in the control of Blister Blight Disease of tea (C. A. Loos)	25,	29
Conclusions (J. Lamb)	25,	38

Development in blister blight control :

1—Introduction to the 1955 series of blister blight control experiments (B. N. Webster)	27,	3
2—Spraying trials in 1955 using 50% copper fungicides (P. O. Park)	27,	7
3—Dusting trials in 1955 using 4% copper blended dusts (P. O. Park)	27,	10
4—Small scale assay of fungicides (P. O. Park)	27,	14
Blister blight control with respect to fungicidal formulation; application rates and yield (T. Visser)	29,	9
Forecasting system for blister blight control based on sunshine records (D. Mulder)	31,	56
How to economise on blister blight Control :		
1—The decision to spray based on sunshine records (D. Mulder)	32,	88
2—The use of mist-blowers in conjunction with sunshine records (A. L. Elias)	32,	91
Investigations with new fungicides for the control of Blister Blight on tea (R. L. de Silva)	36,	41
The use of nickel chloride and "Perezin" for the control of Blister Blight on tea (R. L. de Silva)	36,	191
Blister Blight control : Recommendations to estates (R. L. de Silva)	37,	128
A new look at the economics of blister blight control (R. L. de Silva)	38,	282
The economics of blister blight control : 1—Fungicidal dosage (R. L. de Silva)	38,	336

Blister Blight (Miscellaneous)

Blister Blight in India (T. Petch)	1,	75
Collection of blistered leaves (C. H. Gadd)	19,	17
Recording the incidence of Blister Blight	19,	20
Interim report on Blister Blight (F. R. Tubbs)	19,	41
Leaf diseases of tea new to Ceylon (F. R. Tubbs)	19,	43
Financial aspect of the control of Blister Blight (W. R. Van der Kiste)	19,	48
Notes on Blister Blight (F. R. Tubbs)	19,	50
Blister Blight in relation to planting and supplying tea (D. S. Cameron)	19,	92
Effects of hard plucking with reference to Blister Blight (T. Eden)	19,	105
Fungus— <i>Exobasidium vexans</i> (C. H. Gadd)	20,	54
Technical report on the blister blight situation :		
1—Ceylon. The general position (J. Lamb)	20,	102
2—Ceylon. The work in progress (C. A. Loos)	20,	105
3—Ceylon. Agricultural aspect (G. B. Portsmouth)	20,	109
4—S. India. Present position and control (S. Ananda Rao)	20,	111
5—S. India. The position in the high range (W. Wilson Mayne)	20,	114
6—N. India. The position in N.E. India (E. Hainsworth)	20,	119
7—Sumatra. The position in Sumatra (J. H. Van Emden)	20,	123
Agency House view on blister blight situation (G. K. Newton)	20,	126
Planting views on the blister blight situation (K. Morford)	20,	129

Report of blister blight disease in Ceylon tea plantations (J. Lamb)	20,	149
Proprietors' views on the Blister Blight situation (G. K. Newton)	21,	7
Control of shade and blister blight (T. E. Walters)	21,	35
Causative fungus of Blister Blight (C. A. Loos)	22,	63
Estimate of the extent of crop losses on St Coombs following the arrival of Blister Blight (<i>Exobasidium vexans</i>) in Ceylon (G. B. Portsmouth)	22,	90
Report of the work carried out by the TRI in connection with Blister Blight from 1st April 1950 to 31st March 1951 (G. B. Portsmouth)	22,	137
The use of separate stickers in blister blight fungicides (D. Mulder)	31,	12
Epidemiology of tea Blister Blight :		
1—Sporulation (A. Kerr)	37,	168
2—The diurnal and seasonal periodicity of spores in air over a tea estate (N. Shanmuganathan)	37,	175
Epidemiology of tea Blister Blight (<i>Exobasidium vexans</i>) (A. Kerr)	40,	9
Blister Blight, Protection methods		
Spraying and dusting in the control of Blister Blight (F. R. Tubbs)	19,	78
Crop protection during recovery from pruning (G. B. Portsmouth)	21,	11
Crop protection during plucking (C. A. Loos)	21,	16
Application of crop protection methods—wet spraying (C. L. Scoles)	21,	22
Application of crop protection methods—Dusting (F. Haworth)	21,	27
Crop protection by copper fungicides—The effect of weather on copper residues (F. Haworth)	21,	28
Crop protection by copper fungicides—Copper residues in relation to quality (J. Lamb)	21,	33
Crop protection by modified agricultural methods :		
1—The control of shade (T. E. Walters)	21,	35
2—The Kataboola loss of crop experiment (C. A. Loos)	21,	38
3—General considerations (G. B. Portsmouth)	21,	41
Crop protection courses 1951 :		
1—Introductory lecture (J. Lamb)	22,	55
2—The causative fungus (C. A. Loos)	22,	63
3—Physiology of the tea bush (G. B. Portsmouth)	22,	73
4—Fungicides and their application (J. Lamb)	22,	79
5—Field organisation (G. B. Portsmouth)	22,	86
6—An estimate of the extent of crop losses on St Coombs following the arrival of Blister Blight (<i>Exobasidium vexans</i>) in Ceylon (G. B. Portsmouth)	22,	90
Distribution of copper containing dusts (F. Haworth)	22,	118
Crop protection by wet spraying compared with crop protection by dusting in 1951 (J. Lamb)	23,	12
Note on spraying and dusting against Blister Blight (C. A. Loos)	24,	97

Blister blight control in 1957 with respect to fungicidal formulation, application rates and yield (T. Visser) ..	29,	9
Possibility of timing blister blight spraying according to sunshine records (T. Visser) ..	30,	39
Forecasting system for Blister Blight control based on sunshine records (D. Mulder) ..	31,	56
How to economise on blister Blight control :		
1—The decision to spray based on sunshine records (D. Mulder) ..	32,	88
2—The use of mist blowers in conjunction with sunshine records (A. L. Elias) ..	32,	91
Influence on sunshine and rain on tea Blister Blight in Ceylon (T. Visser) ..	33,	34
Investigation with new fungicides for the control of Blister Blight in Ceylon (R. L. de Silva) ..	36,	64
Use of nickel chloride and 'Perezin' for the control of Blister Blight on tea (R. L. de Silva) ..	36,	191
Recent experiments with new fungicides for the control of Blister Blight on tea (R. L. de Silva) ..	37,	121
Blister Blight control—Recommendations to estates (R. L. de Silva) ..	37,	128
A new look at the economics of blister blight control (R. L. de Silva) ..	38,	282
The economics of blister blight control—Fungicidal dosage (R. L. de Silva) ..	38,	336

Bringing into Bearing

Resting the tea bush (F. R. Tubbs) ..	6,	81
Methods of bringing tea plants into bearing without centering (G. G. Perkins) ..	21,	4
Principles of bush management (G. B. Portsmouth) ..	24,	17
Principles of bringing new clearings into bearing in the low-country (T. E. Walters) ..	24,	39
Bringing into bearing—to prune or to bend (C. J. Worthington) ..	33,	66
Bringing vegetative propagated tea into production : Observations in the low-country (R. C. H. Price) ..	36,	33

C

Chemical Control of Pests *see* Control of Pests, Chemical

Chlorosis

Some observations on the use of magnesium sulphate for a chlorosis of tea (D. Roe) ..	29,	132
The symptoms of chlorosis due to high light intensity on tea leaves at high elevations (D. Mulder) ..	33,	148
Virus and virus like symptoms (chlorosis) on seedling tea (D. Mulder) ..	34,	19
Clones, Vegetative Propagation <i>see</i> Vegetative Propagation of Clones		

Compost

Indore compost (T. Eden) ..	7,	116
Composting by the Indore process (T. Eden) ..	7,	160
Compost manufacture and uses on tea estates (T. Eden) ..	8,	79

Report on composting in relation to tea cultivation (T. Eden)	8,	151
Green manure as alternative to compost	9,	64
Recent compost literature (T. Eden)	9,	113
Composting tea estate wastes (A. G. D. Bagot)	9,	107
Compost and disease (C. H. Gadd)	10,	93
Composting with special reference to estate agriculture (T. Eden)	11,	194

Conferences, TRI Proceedings of

1st at Peradeniya (11th March 1929) ..	2,	35
2nd at St Coombs (25th, 26th February 1931) ..	4,	14
3rd at St Coombs (27th January 1933) ..	6,	1
4th at St Coombs (1st & 2nd March 1935) ..	8,	4
5th at St Coombs (22nd January 1937) ..	10,	1
6th at Radella (13th, 14th February 1939) ..	12,	3
7th at Radella (26th February 1947) ..	19,	1
8th at Kandy (21st, 22nd January 1949) ..	20,	2
9th at Nuwara Eliya (1,2,4 & 5th December 1950) ..	21, 1; 22,	2
10th at Nuwara Eliya (6th, 7th March 1953) ..	24,	3
11th at Nuwara Eliya and Colombo (25th, 26th February 1955) (4th, 5th March 1955) ..	26,	3
12th at Colombo (20th, 21st January 1961) ..	32,	6
13th at Colombo (23rd, 24th January 1964) ..	35,	6
Centennial Conference at Radella (3,4,6 May 1967) ..	38,	221

Conservation, Soil *see* Soils Conservation

Control of Pests, Biological

Biological control in entomology with special reference to pests of tea (S. Stuart-Light)	2,	73
Experiment with <i>Trichogramma</i> and Tortrix (C. B. Redman-King)	7,	15
Cold storage effect on <i>Trichogramma</i> and on the eggs of <i>Ephestia kuhniella</i> (C. B. Redman-King)	7,	19
Further trials with <i>Trichogramma</i> (C. B. Redman-King) ..	7,	115
Long-tailed parasite of Tortrix (C. B. Redman-King) ..	10,	187
Ring barking trees and root disease (C. H. Gadd) ..	13,	117
Control of Tea Tortrix by its parasite (<i>Macrocentrus homonae</i>) (C. H. Gadd)	14,	93
Chemical and biological control of insects of perennial crops (B. N. Webster)	23,	117
Effect of marigolds and some other crops on the <i>Pratylenchus</i> and <i>Meloidogyne</i> populations in the soil (T. Visser) ..	30,	30
The natural balance of pests and parasites of Ceylon tea, especially Tea Tortrix and <i>Macrocentrus</i> (J. E. Cranham)	32,	26
Further small scale field experiments on the chemical control of attack by Shot-hole Borer on tea in plucking (E. Judenko)	31,	19
Control of Shot-hole Borer with Dioldrex (A. P. Newton) ..	31,	172
Control of Shot-hole Borer : Experiments in progress (E. Judenko)	32,	23
The chemical control of Shot-hole Borer (J. E. Cranham) ..	32,	171

The chemical control of Shot-hole Borer with dieldrin, Interim report on estate trials 1960/61 (J. E. Cranham) ..	33,	5
Field experiments on the chemical control of Shot-hole Borer on tea soon after pruning (E. Judenko) ..	33,	69
Shot-hole Borer, biology and control—notes for planters, 1963 (J. E. Cranham)	34,	127
Some factors affecting the efficiency of dieldrin sprays for Shot-hole Borer (J. E. Cranham)	35,	189
Mid-cycle sprays of aldrin for the control of Shot-hole Borer (J. E. Cranham)	37,	56
Shot-hole borer control (W. Danthanarayana)	37,	100
Control of Pests, Chemical		
Pyrethrum cultivation in Kenya (A. H. Hall)	17,	28
Copper tolerance as applicable to the USA and other countries	22,	14
Fungicides and their applications (J. Lamb)	22,	79
Spraying of nurseries with copper fungicides (B. N. Webster)	23,	84
Insecticides and fungicides (B. N. Webster)	23,	85
The use of insecticides (J. Lamb)	24,	32
Small scale assay of fungicides (P. O. Park)	27,	14
Tea leaf eating tortrix caterpillar as a limiting factor in insecticidal application on tea (B. A. Baptist) ..	27,	28
Improved fungicides (J. A. H. Tolhurst)	27,	73
Chemical methods for the prevention of shot-hole borer (<i>Xyleborus fornicatus</i>) attack on tea in plucking (E. Judenko)	29,	115
Chemical control of the Twig Caterpillar in tea (W. Danthanarayana)	37,	200
Ways to economise on insect and Mite pest control in tea (W. Danthanarayana)	38,	269
Control of Pests, Miscellaneous		
Control of insect pests (C. B. Redman-King)	4,	34
Meta-bran bait (R. V. Norris)	11,	117
Control of pests, diseases and weeds	23,	58
Chemical and biological control of insects in perennial crops (B. N. Webster)	23,	117
Principles of pest control (J. Lamb)	24,	31
Survey of leaf-hopper associated with up-country tea (M. T. Hutchinson)	34,	85
Ways to economise on insect and mite pest control (W. Danthanarayana)	38,	269
Cover Crops		
Cover crops (Editorial)	3, 39, 4 :	72
Soil erosion and cover crops (C. Huntley-Wilkinson) ..	4,	26
Ground cover crops (H. C. Cosens)	6,	116
Cultivation of shade trees, green manures and cover crops (R. V. Norris)	7,	93

Ground cover on Dimbula Estate (C. Huntley-Wilkinson) ..	8.	107
Flowering of the so-called dwarf variety of <i>Artemisia vulgaris</i> (F. R. Tubbs) ..	18.	65
<i>Desmodium ovalifolium</i> as a cover crop for tea (T. M. Fernando) ..	22.	49
<i>Desmodium ovalifolium</i> as a cover crop for tea (I. A. Molliston)	23.	53
Notes on <i>Stylosanthes gracilis</i> (Brazilian lucrose) as a ground cover for tea (G. L. Heaton) ..	25.	8
Gotukola (<i>Centella asiatica</i>) as a cover crop for tea (S. S. Perera) ..	26.	148
Interplanting in tea : Effect of shade trees, weeds and bush crops (T. Visser) ..	32.	69
A useful ground cover for clearings (J. H. Zair) ..	32.	103

Crop Protection, Dusting

Spraying and dusting in the control of Blister Blight (F. R. Tubbs) ..	19.	78
Application of crop protection dusting methods (F. Haworth)	21.	27
Mechanical dusting against Blister Blight (H. Dike) ..	21.	29, 32
Crop protection by wet spraying compared with crop protection by dusting (J. Lamb) ..	21.	44
Impression of spraying and dusting (Discussion) ..	22.	15
Distribution of copper containing dusts (F. Haworth)	22.	118
Power dusting with 'Cuprosana' dusts containing 2, 4 and 6% copper (C. A. Loos) ..	22.	126
Crop protection by wet spraying compared with crop protection by dusting (J. Lamb) ..	23.	12
Dusting against Blister Blight on Alupolla Group, Ratnapura (C. A. Loos) ..	23.	76
Spraying and dusting against Blister Blight (C. A. Loos) ..	24.	97
Evaluation of some copper containing fungicidal dusts in the control of Blister Blight (C. A. Loos) ..	25.	10
"Blidust" trials under south-east monsoonal conditions — Uva (C. A. Loos) ..	25.	13
Developments in blister blight control — Dusting trials using 4% copper blended dusts (P.O. Park) ..	27.	10

Crop Protection, Miscellaneous

Effect of weather on crop residues (F. Haworth) ..	21.	24
Crop protection by copper fungicides — The effect of weather on crop residues (F. Haworth) ..	21.	28
Crop protection by copper fungicides — Copper residues in relation to quality (J. Lamb) ..	21.	33
Crop protection by modified agricultural methods ..	21.	35, 38, 41
Crop protection (E. S. Rose) ..	26.	115
A note on the effect of different copper preparations on tea yield (T. Visser) ..	29.	45

Crop Protection, Spraying

Spraying and dusting in the control of Blister Blight (F. R. Tubbs) ..	19.	78
Crop protection during recovery from pruning (G. B. Portsmouth) ..	21.	11
Crop protection during plucking (C. A. Loos) ..	21.	16

Application of crop protection methods — Wet spraying (C. L. Scoles)	21,	22
Crop protection by wet spraying compared with crop protection by dusting (J. Lamb)	21,	44, 23 : 12
Spraying experiment in the south west monsoon (G. Tambipillai)	22,	15
Trials conducted with the "micron" power sprayer in connection with the application of oil based copper fungicides (C. A. Loos)	22,	133
Spraying of nurseries with copper fungicides (B. N. Webster)	23,	84
Spraying and dusting against Blister Blight (C. A. Loos) ..	24,	97
Spraying trials in 1955 using 50% copper fungicides ..	27,	7
Possibility of timing blister blight spraying according to sunshine records (T. Visser)	30,	39
The use of separate stickers in blister blight fungicides (D. Mulder)	31,	12
How to economise on blister blight control	32,	88, 91
Investigations with new fungicides for the control of Blister Blight (R. L. de Silva)	36,	64
The use of "nickel chloride" and "Perezin" for the control of Blister Blight on tea (R. L. de Silva)	36,	191
Blister blight control — Recommendations to Estates (R. L. de Silva)	37,	128
A new look at the economics of blister blight control (R. L. de Silva)	38,	282
The economics of blister blight control — Fungicidal dosage (R. L. de Silva)	38,	336

Cultivation of tea *see* Cultural Operations

Cultural Operations

Some basic principles of agriculture as applied to the estate (E. E. Megget)	2,	81
Introduction of tea into Ceylon (F. R. Tubbs)	4,	108
Resting the tea bush (F. R. Tubbs)	6,	81
Report on composting in relation to tea cultivation (T. Eden)	8,	151
Cultivation of tea (T. Eden)	8,	177
Salient points in tea cultivation in relation to green manures and shade trees (T. Eden)	10,	110
Maintenance of capital (F. R. Tubbs)	10,	117
Effect of cultivation and weeds on tea (T. Eden)	12,	24
Discussion on manuring and cultivation with special reference to war conditions (Subconference 1940)	13,	18
Effect of cultivation and weeds on crop growth (T. Eden) ..	14,	47
History of a tea field (F. L. Charnaud)	18,	66
Methods of bringing tea into bearing without centering (G. G. Perkins)	21,	4
Root disturbance with special reference to cultivation (H. C. Paterson)	21,	23
Principles of bush management (G. B. Portsmouth)	24,	17
Principles of bringing new clearings into bearing in the Low Country (T. E. Walters)	24,	39
Note on mulches	25,	41
Uprooting tea (W. J. Childerstone)	26,	111
Some thoughts on forking (G. B. Portsmouth)	27,	67
Tea roots show effective depth of soil (H. N. Hasselo)	33,	45

Bringing tea into bearing—To prune or to bend (C. J. Worthington)	33,	136
Forking a warning (J. A. H. Tolhurst)	35,	134
Bringing vegetatively propagated tea into production—Observations in the Low Country (R. C. H. Price)	36,	33
Uprooting of tea using a Hesford Winch (J. Wijeratne)	37,	59
Reappraisal of practices in the cultivation of low-country tea (L. H. Fernando)	38,	241
Asphyxiation of tea roots in clayey soils (R. L. de Silva)	38,	340
Some effects of mulching on the growth of young tea (W. B. Manipura)	40,	153

D

Deficiency diseases *see* Diseases, Deficiency

Diseases, Deficiency

Sulphur deficiency disease of the tea bush (C. H. Gadd)	6,	21
Potash deficiency in tea cultivation in relation to Ceylon conditions (J. E. T. Band)	13,	139
Deficiency diseases and the role of 'Minor Elements' in plant life (J. E. T. Band)	16,	19
Potash deficiency in tea (G. B. Portsmouth)	24,	79
Magnesium and manganese deficiencies in the nutrition of the tea bush (J. A. H. Tolhurst)	25,	84
Deficiency, Starch—a review of its causes and effects with special reference to types of pruning in the Low Country	25,	96
Deficiency diseases and the symptoms of magnesium deficiency (D. Mulder)	30,	157
Nitrogen deficiency in clonal plants (D. Mulder)	31,	153
Zinc deficiency of tea in Ceylon (J. A. H. Tolhurst)	33,	134
Manganese deficiency symptoms of tea (J. A. H. Tolhurst)	34,	148
Zinc foliar sprays—Recommendations 1966 (J. A. H. Tolhurst)	37,	73

Diseases, Leaf

Note on the analysis of tea bushes affected by "Witches Broom" (P. A. Keiller)	12,	96
Brown Blight (Discussion at 9th Conference)	22,	35
The "Cercospora" disease	25,	18
Some observations on the use of magnesium sulphate for a chlorosis of tea (D. Roe)	29,	132
Oilspot of tea leaves—a new disease (D. Mulder)	30,	44
A preliminary investigation of the problem of maintenance leaf fall in the Low Country (D. Mulder)	32,	51
Black blight, a leaf spot disease of tea in the Low Country caused by <i>Rhizoctonia solani</i> (D. Mulder)	33,	105
The symptoms of chlorosis due to high light intensity on tea leaves at high elevations (D. Mulder)	33,	148
Virus and virus like symptoms on seedling tea (D. Mulder)	34,	19
Further observations on the leaf spot disease of tea (N. Shanmuganathan)	34,	184
An experiment on the control of maintenance leaf fall by certain sanitary measures (N. Shanmuganathan)	35,	200
Maintenance leaf fall in low grown tea (R. L. de Silva)	37,	213

Diseases, Miscellaneous

Pruning in relation to wood rot of tea (C. H. Gadd) ..	2,	10
Relationship between food reserves of the tea bush and diseases (C. H. Gadd) ..	2,	54
Pruning of tea in relation to diseases (C. H. Gadd) ..	4,	45
Dieback (F. R. Tubbs) ..	5,	108
Sulphur deficiency disease of the tea bush (C. H. Gadd) ..	6,	121
Diseases of the tea bush (C. H. Gadd) ..	8, 132, 9: 5,	101
Diseases and pests (R. V. Norris) ..	10,	11
Compost and diseases (C. H. Gadd) ..	10,	93
Disease in non productive patches (C. H. Gadd) ..	12,	75
Discussion on pests and disease (Sub Conference 1940) ..	13,	28
Potash deficiency in tea cultivation in relation to Ceylon conditions (T. E. T. Bond) ..	13,	139
Deficiency diseases and the role of 'minor elements' in plant life (T. E. T. Bond) ..	16,	9
Pathological problems (C. A. Loos) ..	22,	27
Control of pests disease, and weeds ..	23,	58
Note on pathological matters (B. N. Webster) ..	23,	84
Tea pests and disease and their control ..	24,	50
Potash deficiency in tea (G. B. Portsmouth) ..	24,	79
Deficiency, Starch—a review of its causes and effects with special reference to types of pruning in the Low Country ..	25,	96
Future of disease control and prevention with particular reference to replanting (B. N. Webster) ..	26,	24
Rehabilitation and tea disease (D. Mulder) ..	29,	180
Review of thirty years study of tea diseases in Ceylon (D. Mulder) ..	30,	113
Deficiency diseases and the symptoms of magnesium disease (D. Mulder) ..	30,	157
Nitrogen deficiency in clonal plants (D. Mulder) ..	31,	153
Zinc deficiency of tea in Ceylon (J. A. H. Tolhurst) ..	33,	134
Manganese deficiency symptoms of tea (J. A. H. Tolhurst) ..	34,	148
Zinc foliar sprays—Recommendations 1966 (J. A. H. Tolhurst) ..	37,	73
Diseases—The enemies of tea (N. Shanmuganathan) ..	38,	142
Studies on the parasitism and control of tea root disease fungi in Ceylon (N. Shanmuganathan) ..	40,	19

Diseases, Root

Parasitism of tea root disease fungi (C. H. Gadd) ..	1,	10
<i>Sphaerostilbe repens</i> (C. H. Gadd) ..	1,	16
Parasitism of <i>Rosellinia arcuta</i> (C. H. Gadd) ..	1,	55
<i>Fomes lignosus</i> (T. Petch) ..	1,	64
New view on the causation of Diplodia Disease (C. H. Gadd) ..	1,	89
Notes on root diseases (T. Petch) ..	1,	104
Treatment of the <i>Poria</i> Root Disease (C. H. Gadd) ..	2,	16
What is the Diplodia Root Disease of tea? (C. H. Gadd) ..	3,	44
<i>Armillaria</i> Root Disease of tea (C. H. Gadd) ..	3,	109
Root diseases (C. H. Gadd) ..	9,	5
Root diseases and tea stumps (C. H. Gadd) ..	9,	101
Treatment of <i>Poria</i> Root Disease of tea (C. H. Gadd) ..	10,	36
Destructive root diseases of tea caused by the nematode, <i>Anguilulina pratensis</i> (C. H. Gadd) ..	12,	131

"Bitten Off" disease of tea seedlings (C. H. Gadd) ..	13,	54
Ring-barking of trees and root diseases (C. H. Gadd) ..	13,	117
<i>Poria</i>	22,	35
Guatemala grass in relation to <i>Poria</i> and meadow nematode (B. N. Webster)	28,	54
Resistance and tolerance of tea to nematodes (M. T. Hutchinson)	31,	13
Planting on poria-infected areas (D. Mulder)	31,	106
Nematode samples from estates (M. T. Hutchinson)	31,	116
Fumigating nurseries (M. T. Hutchinson)	31,	119
Development in control of the meadow nematode (M. T. Hutchinson)	32,	129
Rehabilitation of tea soils : Susceptibility of plants now in use to the Root-Lesion Nematode (M. T. Hutchinson) ..	33,	138
Results of a survey of Red Root Disease in Ceylon tea (D. Mulder)	32,	141
Soil samples from estates for estimation of Meadow Nematodes (M. T. Hutchinson)	34,	34
The distribution of <i>P. loosi</i> among tea estates in Ceylon, with particular reference to altitude (M. T. Hutchinson) ..	34,	68
Fumigation of nursery soil (A. Kerr)	34,	150
Recent developments in the control of <i>Poria</i> Root Disease (N. Shanmuganathan)	35,	22
Further developments in the control of the Meadow Nematode (M. T. Hutchinson)	35,	90
Notice to estates on the use of methyl bromide for controlling <i>Poria</i> Root Disease (N. Shanmuganathan) ..	36,	137
Control of <i>Poria</i> Root Disease with methyl bromide (N. Shanmuganathan)	36,	144
Soil samples for eelworm assessment (A. Kerr)	37,	27
Replanting eelworm infected areas (A. Kerr)	37,	67
Fumigation of nursery soil with methyl bromide (A. Kerr) ..	37,	162
The occurrence and control of the Root Lesion Eelworm in nurseries (A. Kerr)	38,	28
Recovery of <i>P. loosi</i> from soil samples (P. Sivapalan)	38,	29
Resistance of tea clones and seedlings to the Root Lesion Eelworm (A. Kerr)	38,	42
Nematodes and tea (P. Sivapalan)	38,	178
The economics of <i>Poria</i> eradication (N. Shanmuganathan) ..	38,	253
Nematode problems in young tea (P. Sivapalan)	38,	260
Some observations on <i>Poria</i> control by soil fumigation with methyl bromide (N. Shanmuganathan)	38,	311
Studies on the parasitism and control of tea root disease fungi in Ceylon (N. Shanmuganathan)	40,	19
Laboratory and green house evaluation of some soil fumigants for toxicity against five root pathogens of tea (N. Shanmuganathan)	40,	92
Diseases, Stem		
Die-back (F. R. Tubbs)	5,	108
Collar canker in clonal plants caused by <i>Leptothyrium theae</i> Petch (D. Mulder)	33,	152
Stem cankers in clonal tea in the low-country (R. L. de Silva) ..	35,	196
Collar and Branch canker in young tea caused by <i>Phomopsis theae</i> (N. Shanmuganathan)	36,	14

Studies in collar and branch canker of young tea: 1—Recent observations on disease incidence (N. Shanmuganathan)	37,	221
Studies in collar and branch canker of young tea: 2—Influence of soil moisture (N. Shanmuganathan)	38,	322
The influence of shallow top soil on the incidence of Collar and Branch Canker and Canker Disease of tea (<i>Phomopsis theae</i> Petch) (R. L. de Silva)	39,	87
Susceptibility of tea clones to Collar and Branch Canker Disease (<i>Phomopsis theae</i> Petch) (N. Shanmuganathan)	39,	92
Studies in Collar and Branch Canker of young tea : 3—Clonal resistance (N. Shanmuganathan)	40,	164

Disease, Virus

Disease in non-productive patches (C. H. Gadd)	12,	75
Virus disease of tea (C. H. Gadd)	12,	110
Discussion on phloem necrosis	12,	116, 13 : 131
Virus diseases and plant viruses (T. E. T. Bond)	17,	12
Disease problems (C. H. Gadd)	19,	61
The vein-banding virus disease of the dadap trees (D. Mulder)	33,	150
Spikiness disease of Guatemala Grass: a virus disease (D. Mulder)	34,	16
Virus and virus-like symptoms on seedling tea (D. Mulder)	34,	19

Driers *see* Manufacture, Driers

Drought

Drought conditions in relation to tea culture — Water and the plant (C. H. Gadd)	8,	20
Drought conditions in relation to tea culture — The soil as a water reservoir (T. Eden)	8,	27
Drought and pruning (F. R. Tubbs)	9,	25
Drought (T. E. Walters)	23,	109
Drought (T. Visser)	27,	77
Survival of clonal tea in droughty areas	34,	22
Some observations on drought resistance of tea clones (A. V. Richards)	35,	169

Dusting *see* Crop Protection, Dusting

E

Eelworms *see* Nematodes

Erosion *see* Soils, Erosion

Experimentation

Aim of field experiments (T. Eden)	1,	36, 60
Technique of field experiments (T. Eden)	2,	27
Field experimentation with tea (T. Eden)	2,	65
Experiments with nitrogenous manures (T. Eden)	2,	129
Field experimental programme for 1930/31	3,	40
Small scale experimental machinery for the St Coombs Factory (R. V. Norris)	3,	85
Factory experimentation (C. H. Gadd)	6,	59
Experiment with <i>Trichogramma</i> and Tortrix (C. B. Redman-King)	7,	15

Review of the first pruning cycle of the TRI manurial trials (T. Eden)	7,	83
Further trials with <i>Trichogramma</i> (C. B. Redman-King) ..	8,	140
Research and the practical manufacture of tea (J. Lamb) ..	10,	56
Use of statistics in field experiments with rubber trees (H. J. Page)	11,	69
Collection and use of statistics (T. Eden)	17,	60
Research in relation to advisory work (T. Eden)	18,	12
Spraying experiment in Uva (A. R. William)	22,	15
Spraying experiments in the south-west monsoon (S. Tambipillai)	22,	15
Experiment on mechanical harvesting of tea on Dickwella Estate	25,	3
Ideas on experimental replanting of tea (J. A. H. Tolhurst)	27,	60
Research work on Shot-hole Borer 1955/56 (E. Judenko) ..	27,	103
Small scale field experiments on a chemical method for the prevention of shot-hole borer (<i>Xyleborus fornicatus</i>) attack on tea in plucking (E. Judenko)	29,	115
Extension experiments : Their nature and manuring (P. Kanapathipillai)	36,	141
Extension experiments (J. A. H. Tolhurst)	37,	47
Simple designs for estate experiments (P. Kanapathipillai) ..	37,	64

F

Fermentation *see* Manufacture, Fermentation

Fertility of soil *see* Soils, Fertility

Fertilizers and manuring

Artificial farmyard manures (T. Petch)	1,	6
Facts about figures (T. Petch)	1,	97
Experiment with nitrogenous manures (T. Eden)	3,	123
Manurial experiment on nitrogen, phosphate and potash (T. Eden)	3,	126
Fitting artificial manuring to green manure supplies (W. R. Thomson)	5,	83
Soils, fertilizers and the growing plant (T. Eden)	5,	141
Recent experiments in manuring of tea (T. Eden)	6,	25
Effect of manurial treatment of plots in made tea (D. I. Evans)	6,	33
Use of nitrogenous manures in Ceylon (T. Eden)	6,	93
Large scale manuring trials (T. Eden)	6,	150
Manuring of tea (T. Eden)	7,	61
Some general problems on manuring (T. Eden)	7,	134
Manuring experiments	8,	8
Advice on manurial schemes (R. V. Norris)	9,	46
"Manuring"—a ten years retrospect (T. Eden)	10,	167
New aspects of manuring (T. Eden)	11,	22
Manuring of tea (T. Eden)	11,	187
Note on the chlorine content of tea leaves before and after manuring with muriate of potash (P. A. Kieller)	12,	95
Loss of ammonia from fertilizer mixtures (R. Child)	12,	140
Nitrogen supply to tea (T. Eden)	12,	143
Supply and use of fertilizers in wartime (T. Eden)	12,	166
Discussion on manuring and cultivation with special reference to war conditions	13,	18

Manures (R. V. Norris)	13,	137
Potash deficiency in tea cultivation in relation to Ceylon conditions (T. E. T. Bond)	13,	139
The mixture as before (T. Eden)	14,	107
Note on irregularity in manuring (T. Eden)	15,	127
Interim report on fertilizer rationing and distribution scheme (R. V. Norris)	16,	1
Manuring programmes with rational manures (T. Eden)	16,	16
Does manuring reduce the damage caused by Shot-hole Borer (C. H. Gadd)	16,	30
Fertilizer rationing for tea in 1941	18,	1
Fertilizer rationing for tea in 1947	18,	73
Manurial response of tea and weeds (T. Eden)	19,	5
Additional issues of phosphoric acid and potash	19,	33
General principles of soil cultivation and of methods of manure application to tea (J. A. H. Tolhurst)	20,	19
Nitrogen in relation to disease (C. H. Gadd)	20,	20
Potash requirements of tea (G. B. Portsmouth)	21,	18
Effect of manure on rooting of internode cuttings (F. H. Kehl)	21,	36
Manuring	22,	36
Coir dust in manure mixtures (F. Haworth)	22,	107
Questions and answers on manurial problems (V. C. Baker)	23,	81
Note on manurial mixtures (J. Lamb)	23,	87
Principles of manuring (J. Lamb)	24,	13
Potash deficiency in tea (G. B. Portsmouth)	24,	79
Magnesium and manganese deficiency in the nutrition of the tea bush (J. A. H. Tolhurst)	25,	84
Guide to manuring of Ceylon tea 1955 (J. Lamb)	26,	116
Why magnesium (J. A. H. Tolhurst)	27,	36
Dolomite (J. A. H. Tolhurst)	27,	38
Manuring of tea and possible connection with shot-hole borer attack (J. A. H. Tolhurst)	27,	120
Discussion on the relation between quality and manuring (J. A. H. Tolhurst)	29,	5
Some observations on the use of magnesium sulphate for a chlorosis of tea (D. Roe)	29,	132
Revised suggestion for dolomite and magnesium sulphate applications to tea (J. A. H. Tolhurst)	30,	48
Recent study of the results of some Ceylon tea fertilizer trials	30,	93
Complexities in plant nutrition and their relation to manuring practice (J. A. H. Tolhurst)	31,	98
Responses to manuring in various low-country conditions (A. W. R. Joachim)	32,	133
Manuring mature tea — The new T700 series 1961 (J. A. H. Tolhurst)	32,	148
Manuring young tea — T200 (J. A. H. Tolhurst)	32,	152
Manuring of nurseries — Experiments on the frequency and methods of application of inorganic and organic mixtures (T. Eden)	32,	216
Manuring of nurseries — TRI nursery manure — T65 — a completely soluble inorganic mixture (J. A. H. Tolhurst)	32,	220
A new look on fertilizer (nitrogen) dosage (D. L. Gunn)	33,	122

Advice on fertilizer policy : Some complicating factors in the interpretation of graphs of the yield/nitrogen relationship plotted from estate data (C. B. Foster Barham) ..	33,		132
Suggested schemes for levels of manuring mature tea ..	34,		106
Concluding report on a phosphate manurial trial—St Coombs (J. A. H. Tolhurst) ..	34,		144
Manuring young tea—Placement and new types of fertilizer (J. A. H. Tolhurst) ..	34,		188
Observations on the progress of certain manurial trials on St Coombs (J. A. H. Tolhurst) ..	35,		57
Manurial trials in the low-country (A. W. R. Joachim) ..	35,		61
Introduction to the discussion on manurial advisory policy (J. A. H. Tolhurst) ..	35,		70
Magnesium manuring (J. A. H. Tolhurst) ..	35,		130
A revised fertilizer mixture for nurseries T55 (J. A. H. Tolhurst) ..	36,	43,	137
Economising on phosphates and potash for mature tea—1955 (J. A. H. Tolhurst) ..	36,		45
Introducing CAN (E. M. Chenery) ..	37,		51
Fertilizer programmes for young tea ..	37,		63
Frequency of application of fertilizer (J. A. H. Tolhurst) ..	37,		94
Omission of phosphates—Up-country (J. A. H. Tolhurst) ..	37,		94
Alternate <i>versus</i> double row application of fertilizer (J. A. H. Tolhurst) ..	37,		95
Fertilizer usage—past effects and predictions for the future (J. A. H. Tolhurst) ..	38,		125
Fertilizers and productivity (J. A. H. Tolhurst) ..	38,		239
Using urea (E. M. Chenery) ..	38,		354
Fertilizer responses in low-grown clonal tea (L. H. Fernando)	40,		53
Fertilizer recommendations for tea in Ceylon—1969 (L. H. Fernando) ..	40,		129
Fertilizer responses of tea in the up-country districts (V. P. Bhavanadan) ..	40,		135
Studies on the mineral nutrition of tea: 1—Techniques for growing tea plants in sand culture (U. Pethiyagoda) ..	40,		145
Some effects of mulching on the growth of young tea (W. B. Manipura) ..	40,		153

Food and Drugs Regulations — Tea

Tea in relation to food and drug regulations: 1—Ash content (J. Lamb) ..	14,	76,	110
--	-----	-----	-----

Firing *see* Manufacture, Firing

Food production on estates

Food production on estates (R. V. Norris) ..	15,		1
Food production on estates—preliminary report (R. V. Norris) ..	15,		24
Notes on growing Indian Corn interplanted in old tea after pruning (F. C. Charnaud) ..	17,		22

Fuels

Note on the supply of firewood for tea estates (H. C. King)	8,		101
Use of steam in tea factories (W. F. A. Ridler) ..	8,		147
Coal for tea firing (E. H. B. Chapman) ..	9,		55
Liquid fuel for tea firing (Shell Co.) ..	9,		111

Studies on fuel for tea driers (J. Lamb)	..	..	9, 17, 48, 110
Fuel in wartime	..	..	13, 163, 177
Question regarding the local supply of tea chests and firewood for estates (J. Lamb)	..	..	6, 113

G

Grading *see* Manufacture, Grading

Green Manures

<i>Cassia multijuga</i> (C. H. Gadd)	..	..	2, 25
Green manuring and soil conservation (T. Eden)	..	..	3, 17
<i>Cassia multijuga</i> (R. V. Norris)	..	..	3, 36
Nodules of leguminous plants (C. H. Gadd)	..	..	5, 15
Green manuring in relation to artificial manuring (T. Eden)	..	..	5, 28
Fitting artificial manuring to green manure supplies (W. R. Thompson)	..	..	5, 83
Cultivation of shade trees, green manures and cover crops (T. Eden)	..	..	7, 93
Use of green manures and waste materials (T. Eden)	..	..	9, 59
Salient points in tea cultivation in relationship to green manures and shade trees (T. Eden)	..	..	10, 110
Green manures (discussion at 9th Conference)	..	..	22, 10
Role of green manuring in the maintenance of fertility of tea soils (G. B. Portsmouth)	..	..	22, 97
Identification of Australian Wattles (<i>Acacia</i> spp) introduced into Ceylon (R. M. Gorrie)	..	..	23, 73
Establishment of green manures in mature tea areas (F. Haworth)	..	..	23, 114
Propagation of dadaps (P. W. Davis)	..	..	25, 42
Glass house for establishment of green manures	..	..	25, 70
Green manure and shade trees (R. K. Christie)	..	..	31, 121
The shade tree question and green manures (A. W. R. Joachim)	..	..	32, 63
Interplanting in tea : Effect of shade trees, weeds and bush crops (T. Visser)	..	..	32, 69
A useful ground cover for clearings (J. H. Zair)	..	..	32, 103
Interaction of shade with fertilizer applications (T. Visser)	..	..	32, 113
Soil rehabilitation: Prerooting of Guatemala Grass cuttings (C. N. J. Mulrenan)	..	..	33, 167
Some effects of mulching on the growth of young tea (W. B. Manipura)	..	..	40, 153

Green manures – Pests and Diseases of

Newly recorded food plants of some pests of tea and green manures (S. Stuart-Light)	..	..	1, 77
Combating the <i>Tephrosia</i> weevil (<i>Araccerus fasciculatus</i>) (T. Petch)	..	..	2, 22
Caterpillar attacking <i>Albizia</i> seedlings (<i>Macaria pluvialis</i> F)	..	..	2, 105
Leaf-fall disease of <i>Grevillea</i> (C. H. Gadd)	..	..	10, 156
Root-knot of <i>Tephrosia</i> (C. H. Gadd)	..	..	10, 183
Defoliation of seedlings of <i>Albizia</i> species (B. N. Webster)	..	..	23, 84
Root disease of <i>Acacia</i> (B. N. Webster)	..	..	23, 85
Seedling disease of <i>Grevillea</i>	..	..	25, 19

Growth

Distribution of branches and flush within a tea bush (F. R. Tubbs)	5,	25
Growth of tea stumps (F. R. Tubbs)	6,	98
Note on size of tea flush (F. R. Tubbs)	7,	142
Effect of cultivation and weeds on crop growth (T. Eden)	14,	47
Taproots and lateral roots (F. R. Tubbs)	18,	82
Life and death (C. H. Gadd)	18,	101
Plucking and banji — Questions and answers (W. H. W. Coultas)	24,	68
Factors affecting shoot production in tea (<i>Camellia sinensis</i>) when grown as a plantation crop	28, 3,8, 31, 30	
Some observations on the dormancy of the tea bush (U. Pethiyagoda)	35,	74
The influence of 'lungs' on carbohydrate reserves and growth of shoots (S. Nagarajah)	36,	88
The importance of the timing of pruning in relation to recovery (U. Pethiyagoda)	37,	80
Studies on the dormancy of tea shoots :		
1—Hormonal stimulation of the growth of dormant buds (S. Kulasegaram)	40,	31
2—Roots as the source of a stimulus associated with the growth of dormant buds (S. Kulasegaram)	40,	84

Guatemala Grass

Notes on phosphate availability after Guatemala Grass (F. Haworth)	22,	136
Manuring Guatemala grass (J. A. H. Tolhurst)	27,	45
Guatemala grass in relation to <i>Poria</i> and meadow eelworm (B. N. Webster)	28,	54
Guatemala grass roots in soil rehabilitation (J. A. H. Tolhurst)	30,	117
A bacterial disease of Guatemala grass (D. Mulder)	33,	145
Soil rehabilitation — prerooting of guatemala grass cutting (C. J. N. Mulrenan)	33,	167
Spikiness disease of Guatemala Grass—a virus disease (D. Mulder)	34,	16
Soil rehabilitation using Guatemala Grass (R. K. Christie)	34,	44

I

Insect pests

Weevils injurious to tea (<i>Astycus</i> spp.)	1,	45
Newly recorded food plants of some pests of tea and green manures (S. Stuart-Light)	1,	77
Introduced pests (T. Petch)	1,	109
Mealy bug (<i>Pseudococcus virgatus</i> Ckll)	1,	109
Green bug (<i>Caccus viridis</i> Green) (S. Stuart-Light)	2,	24
Biological control in entomology with special reference to pests of tea (S. Stuart-Light)	2,	73
<i>Helopeltis</i> in Ceylon (S. Stuart-Light)	3,	21
Capsid bug (<i>Callicratidis rama</i> Kirby) (S. Stuart-Light)	3,	25
<i>Anomala</i> sp. white grub	4,	100
Bag worms	5,	136
Termites (C. B. Redman-King)	10,	160
<i>Neotermes militaris</i> (C. B. Redman-King)	10,	195

Insect populations (C. H. Gadd)	19,	56
Lygus bug (<i>Lygus viridanus</i> Motch) (B. N. Webster) ..	25,	18
Notes on some insect pests (G. D. Austin) ..	25,	67
Moon moth (<i>Actias selone</i> Hb.) (G. D. Austin) ..	25,	68
Insect pests and replanting of tea (B. A. Baptist) ..	26,	29
Lygus bug its distribution and biology (D. Calnaido) ..	30,	108
Biology and control of the Fringed Nettle Grub (J. E. Cranham)	31,	156
Assessment of crop loss due to a pest (E. Judenko) ..	32,	224
Termites of Ceylon Tea Estates (D. J. W. Ranaweera) ..	33,	88
Survey of Leaf-Loopers associated with up-country tea (M. T. Hutchinson)	34,	85
Twig and looper caterpillar outbreaks (W. Danthanarayana)	37,	106
Chemical control of the Twig Caterpillar (W. Danthana- rayana)	37,	200
Ways to economise on insect and mite pest control (W. Dan- tharayana)	38,	269
The bionomics of Tea Looper (<i>Biston suppressaria</i> Guen.) (Lepidoptera : Geometridae) (W. Danthanarayana) ..	39,	71

See also **Shot-hole Borer, Tortrix, Diseases, Leaf**

L

Liming

Co-operative liming trials (T. Eden)	2,	7
Lime wash	22,	36
Note on lime-washing (E. S. Rose)	24,	94

Low-Country

Low-Country Substation, an account of developments to date (T. E. Walters)	22,	122
Survey of some low country problems (T. E. Walters) ..	23,	60
Drought	23,	109
Principles of bringing new clearings into bearing in the low- country (T. E. Walters)	24,	39
Present activities in the low-country (T. E. Walters) ..	25,	57
Starch deficiency—a review of its causes and effects with special reference to types of pruning in the low-country (T. E. Walters)	25,	96
Future prospects in the low-country (T. E. Walters) ..	26,	40
Replanting in the low-country and associated problem (T. E. Walters)	26,	150
Field observations on shot-hole borer pest in the low-coun- try	27,	107
A preliminary investigation of the problem of maintenance leaf fall in the low-country	32,	51
Response to manuring in various low-country conditions (A. W. R. Joachim)	32,	133
Black Blight—a leaf spot disease of tea in the low-country caused by <i>Rhizoctonia solani</i> (D. Mulder)	33,	105
Manurial trials in the low-country (A. W. R. Joachim) ..	35,	61
Stem cankers in clonal tea in the low-country (R. L. de Silva)	35,	196
The establishment of the low-country Substation. A review (A. W. R. Joachim)	36,	3
Bringing VP tea into production : Observations in the low- country (R. C. H. Price)	36,	33
Low-Country Station	36,	41

Maintenance leaf fall in low-grown tea (R. L. de Silva) ..	37,	213
Progress with research on tea in the low-country (L. H. Fernando)	38,	186
A reappraisal of practices in the cultivation of low-country tea (L. H. Fernando)	38,	241

M

Made Tea

Vitamins in tea (D. I. Evans)	2,	109
Tea samples for report (D. I. Evans)	5,	33
Effect of manurial treatment of plots on made tea (D. I. Evans)	6,	33
Foreign matter in tea	8,	122
Tannin content of unblended tea (R. V. Norris)	9,	43
Chemistry of tea (J. Lamb)	11,	103
Ash content of tea	14,	92
Copper residues in relation to quality (J. Lamb)	21,	33
Blending of tea to reduce excessively high copper contents (Discussion at 9th Conference)	22,	14
Effect of spray residues on quality of manufactured tea (E. L. Keegel)	23,	2
Outturn of made tea to green leaf (theoretical and practical considerations) (E. L. Keegel)	26,	139
Estimations of theaflavins and thearubigins in made tea (E. A. H. Roberts)	29,	99
Pectic substances in Ceylon tea (M. S. Ramaswamy)	30,	86
Tea made from clones (E. L. Keegel)	30,	131,33, 183
Copper in Ceylon tea (M. S. Ramaswamy)	31,	76
Nature of phenolic oxidation products in manufactured black tea (E. A. H. Roberts)	32,	196
Relation of temperature and humidity to made tea (E. L. Keegel)	33,	60
The chemical basis of liquoring characteristics of Ceylon tea (M. S. Ramaswamy)	33,156,34,56,35,164	
Future developments in tea manufacture (E. L. Keegel)	33,	77
Recent tea prices and trends (A. D. Neale)	35,	111
Investigations on the effect of some foliar fungicidal sprays on certain properties of made tea (D. Kirtisinghe)	36,	112
The blackness of tea and the colour of tip (R. L. Wickremasinghe)	37,	75
Analysis of cream of tea (R. L. Wickremasinghe)	37,	131
The separation and identification of vitamin E in Black tea (A. S. L. Tirimanna)	37,	229

Manufacture, Driers

Insulation of driers (T. Petch)	1,	74
Short note on suction driers (D. I. Evans)	5,	69
Test of Marshalls 'New Empire' tea drier (J. Lamb)	8,	65
Stove designs and the stocking of wood and coal (J. Lamb)	9,	48
Storage of fuel and the design and manufacture of suitable burners (J. Lamb)	9,	110
Note on drier temperatures (J. Lamb)	11,	89
New types of direct fired air heater for drying tea (R. C. Scott)	13,	73

Note on life of drier tube (D. W. Finley)	13,	78
Steam heating of air for tea drying machine (W. F. A. Rid- dler)	14,	40
Report on direct fired air heaters (J. Lamb)	18,	41
Note on drier capacities (E. L. Keegel)	25,	21

Manufacture, Fermentation

Tea fermentation (D. I. Evans)	3, 27, 49, 76, 116, 4, 2	
Notes on green leaf sifting and fermentation (F. R. Fan- cillon)	8,	192
Fermentation periods	13,	13
Fermentation in relation to heat development of rolling (E. L. Keegel)	26,	96

Manufacture, Firing

Firing of tea (D. I. Evans)	5,	35
Theory and practice of tea drying (J. Lamb)	8,	43
Coal for tea firing (E. H. B. Chapman)	9,	55
Firing of tea	12,	159
Studies on firing of tea (J. Lamb)	12, 171, 13, 156, 15, 5, 15	

Manufacture, General

New ideas in factory practice (T. Petch)	1,	48
Notes on tea expressor juice (D. I. Evans)	1,	111
Modern tea factory—TRI factory (F. J. Whitehead)	2,	38
Some problems on tea manufacture (D. I. Evans)	2,	44
Few observations on modern tea factories (D. I. Evans)	2,	135
Small scale experimental machinery for the St Coombs factory (R. V. Norris)	3,	85
Factors in tea manufacture (D. I. Evans)	4,	54
Manufacture (R. V. Norris)	4,	71
Some aspects of tea manufacture (B. N. Sastri)	4,	124
Short note on factories and tea manufacture (D. I. Evans)	5,	62
Certain aspects of tea manufacture (D. I. Evans)	6,	37
Tea manufacture (R. V. Norris)	7, 42, 8, 99,	168
Note on experimental manufacture of medium grown leaf at a higher elevation (W. A. Palmer)	7,	171
Introduction to discussion on tea manufacture (R. V. Norris)	10,	53
Research and the practical manufacture of tea (J. Lamb)	10,	56
Measurement of temperature in grass (S. Stromgren)	10,	129
Machines and materials (J. Lamb)	11,	154
Manufacturing problems (R. V. Norris)	12,	55
Heat in relation to manufacturing processes (D. W. Finley)	12,	62
Analysis of leaves from bushes affected by Witches Broom (P. A. Kieller)	12,	96
Note on the manufacture of leaf from selected individual bushes (J. Lamb)	12,	183
Discussion on certain aspects of manufacture	13,	6
Review of tea manufacture in 1941 (J. Lamb)	14,	65
Manufacture of tea (J. Lamb)	18, 74, 19, 69, 20,	24
Common problems on tea manufacture (E. L. Keegel)	22,	20
Discussion on tea manufacture at the 9th TRI Conference	22,	24
Model factory made from scrap (J. Landreth)	23,	52

Principles of manufacture (E. L. Keegel)	24,	23
Chemistry of tea manufacture (M. S. Ramaswamy) ..	29,	95
Future developments in tea manufacture (E. L. Keegel) ..	33,	177
Effects of the methods of manufacture on the oxidation of polyphenols and chlorophyll (R. L. Wickremasinghe) ..	36,	167
The yesterday, today and tomorrow of tea manufacture (D. Kirtisinghe)	38,	200
Facts and speculation on the chemistry and biochemistry of black tea manufacture (R. L. Wickremasinghe) ..	38,	205
Aspects of the biochemistry of tea manufacture (R. L. Wickremasinghe)	38,	287
Quality and economy in the production of tea (D. Kirtisinghe)	38,	289

Manufacture, Grading

Stalk extracting machine—with patent	2,	139
Greying of tea (D. I. Evans)	5,	38
Winnowing of tea (D. W. Finley)	9,	123
Grading of tea (R. V. Norris)	10,	230
Grading of tea with stamped aluminium sieves (J. Lamb) ..	10,191,12,179,13,82	
Investigations into the methods of increasing out-turn of the fannings grade	21,	5
Interim report on the performance of the 'Shizuoka' electric separator (E. L. Keegel)	27,	42

Manufacture, Moisture in relation to

Absorption of moisture in made tea (T. Petch)	1,	24
Moisture content of made tea (D. I. Evans)	5,	54
'Kaybee' Infra-red moisture tester Type X-14 (E. L. Keegel) ..	25,	93
New type of moisture tester—The Ase moisture balance (E. L. Keegel)	30,	46

Manufacture, Packing

Packing of tea	8,	171
Storage and packing of tea (J. Lamb)	8,	171
Notes on packing material (J. Lamb)	10,	126
Note on packing of forward samples of tea (J. Lamb) ..	11,	159
Packing materials in war time	13,	11
Questions regarding the local supply of tea chests and firewood for estates (J. Lamb)	14,	113
Manufacturing properties of Ceylon tea clones (D. Kirtisinghe)	39,	39

Manufacture, Rolling

Cooled rollers (R. V. Norris)	4,	88
McKercher CTC Roller (R. V. Norris)	5,	27
Studies in the rolling of tea (J. Lamb)	11,	131
Further tests with Clivemeare roller (R. V. Norris) ..	12,	147
Review of rolling methods in tea manufacture (J. Lamb) ..	18,	19
Miniature roller for clonal experiments (J. Landreth) ..	25,	66
Note on the operation of the miniature roller (E. L. Keegel) ..	25,	66
Fermentation in relation to heat development in rolling (E. L. Keegel)	26,	96

Developments in rotorvane manufacture (L. S. Weragoda) ..	35,	96
Rotorvane manufacture technique (W. C. A. de Silva) ..	35,	230, 36, 82
Observations on rotorvane manufacture (C. L. N. Anley) ..	35,	235
Some investigations on rotorvane manufacture (R. A. Lushington) ..	36,	72
The importance of feeding rates in rotorvane manufacture (W. C. A. de Silva) ..	36,	151

Manufacture, Rotorvane

Developments in rotorvane manufacture (L. S. Weragoda) ..	35,	96
Rotorvane manufacture technique (W. C. A. de Silva) ..	35,	230
	36,	82
Observations on rotorvane manufacture (C. L. N. Anley) ..	35,	235
Some investigations on rotorvane manufacture (R. A. Lushington) ..	36,	72
The importance of feeding rates in rotorvane manufacture (W. C. A. de Silva) ..	36,	151
The influence of the degree of wither in rotorvane manufacture of high-grown tea (W. C. A. de Silva) ..	37,	114

Manufacture, Withering

Tea withering—mechanical innovations (D. I. Evans) ..	1,	71
Chemical wither (D. I. Evans) ..	1,	93
On the theory of water evaporation and its application to withering and drying of tea ..	6,	67, 104
Cold withering experiments (A. H. Hall) ..	7,	118
Characteristics of propeller fans (S. Stromgren) ..	9,	80
Quick withering (C. R. Webber) ..	22,	18
Notes on drum withering (A. F. Hatton) ..	30,	150
Trough withering of green leaf (W. H. W. Coultas) ..	31,	180
Some observations with withering with the Wilken-Woods trough withering apparatus (A. R. Cathcart) ..	34,	42
The theory of withering in tea manufacture (G. W. Sander-son) ..	35,	146
Withering on materials made of synthetic fibre (L. S. Weragoda) ..	35,	171
The influence of the degree of wither in rotorvane manufacture of high-grown leaf (W. C. A. de Silva) ..	37,	114
Some comparison of tat and trough withering (C. Kandap-pah) ..	37,	163

Mechanization

Tea withering—mechanical innovations (D. I. Evans) ..	1,	71
Mechanical plucking of tea (B. D. Fay) ..	21,	38
Discussion on mechanical plucking ..	22,	34
Principles of mechanization (S. J. Wright) ..	24,	122
Field Stalk clipper (A. E. Richardson) ..	24,	48
Mechanization on the farm (S. J. Wright) ..	24,	98

Miscellaneous Articles

Recent literature on tea (1927-28) ..	1,	106
Some problems relating to tea (R. V. Norris) ..	3,	87
A planter's soliloquy ..	3,	115
Eighteenth report of the Imperial Economic Committee of Tea ..	4,	92
Factory fires (C. H. Gadd) ..	6,	58

Achatina fulica

Possibility of extending cinchona cultivation in the British Empire	11,	51
Housing of estate labour (B. D. Fay)	14,	146
Engineering development (J. Landreth)	14,	163
Dissertation on drink (J. Lamb)	22,	121
Thirteenth International Horticultural Congress 1952	23,	40
The tea industry (J. Lamb)	24,	65
Notes on a hailstorm (J. E. Davidson)	24,	100
Recent events and prospects (D. L. Gunn)	26,	108
The policy of the Tea Quarterly (D. L. Gunn)	32,	11
The understanding of research (W. W. Mayne)	33,	57
Measuring the steepness & tea land (D. L. Gunn)	34,	7
Review of the work of the TRI 1961 to 1964 (A. W. R. Joachim)	34,	13
Interpretation of analysis and estimation of advisory samples (J. A. H. Tolhurst)	35,	16
Notice to estates on the supply of agrochemicals	35,	132
An appraisal of tea research in Ceylon (E. M. Chenery)	36,	83
Tea—A calendar of events	36,	85
A century of Ceylon tea	38,	59
A short history of the TRI of Ceylon (R. L. de Silva)	38,	63
The early history of the TRI of Ceylon—personal recollections (T. Eden)	38,	65
A planter's battle of long ago (D. M. Forrest)	38,	105
A planter's battle of today (L. A. Seevaratnam)	38,	112
A scientist's battle of today (P. Kanapathipillai)	38,	116
The next ten years (E. M. Chenery)	38,	122
Progress in industry—a musing (F. R. Tubbs)	38,	210
A reason for joining the tea set?	38,	215
	39,	3
Mites		
Tea mites (C. B. Redman-King)	9,	144
Yellow mite of tea (D. J. W. Ranaweera)	25,	20
Scarlet mite of the genus <i>Brevipalpus</i> as pests of tea in Ceylon (B. A. Baptist)	26,	127
Observations on mite attacks in Haputale (C. N. J. Mulrenan)	28,	47
Further observations on mite attacks in Haputale in 1957 (C. N. J. Mulrenan)	29,	60
Acaricidal trials against the scarlet mite (<i>Brevipalpus australis</i> Tucker), on tea (D. J. W. Ranaweera)	29,	125
Some notes on Scarlet Mites and longer pruning cycles (P. R. U. Easteal)	29,	129
The mite pests of tea—a review (J. E. Cranham)	31,	5
The mite pests of Ceylon tea—Recognition and control (J. E. Cranham)	33,	189
Ways to economise on insect and mite pest control (W. Dhanararyana)	38,	269

N

Nematodes

Eelworm—a pest of tea nurseries	1,	19
Nematode root disease of Dadaps (C. H. Gadd)	1,	39
Destructive root disease of tea caused by the nematode <i>Anguillulina pratensis</i> (C. H. Gadd)	12,	131

Eelworm (Discussion)	13,	37
Problems of nematode control in tea plantations (C. H. Gadd)	18,	3
Disease problems (C. H. Gadd)	19,	61
Eelworms (C. A. Loos)	23,	34, 26, 27
Guatemala Grass in relation to <i>Poria</i> and meadow nematode (B. N. Webster)	28,	54
Soil samplings for pH and eelworm tests (J. A. H. Tolhurst)	26,	112
Effects of marigolds and some other crops on the <i>Pratylenchus</i> and <i>Meloidogyne</i> populations in tea soil (T. Visser) ..	30,	30
Observations on the prevalence and control of parasitic eelworm in tea (T. Visser)	30,	96
Practical aspects of the eelworm problem in tea (T. Visser) ..	30,	143
Resistance and tolerance of tea to nematodes (M. T. Hutchinson)	31,	13
Nematode samples from estates (M. T. Hutchinson)	31,	116
Fumigating nurseries (M. T. Hutchinson)	31,	119
Development in the control of the meadow nematode	32,	129
Rehabilitation tea soils—susceptibility of plants now in use to the Root-Lesion Nematode (M. T. Hutchinson) ..	33,	138
Soil samples from estates for estimation of Meadow Eelworm (M. T. Hutchinson)	34,	34
The distribution of <i>P. loosi</i> among estates in Ceylon with particular reference to altitude (M. T. Hutchinson) ..	34,	68
The distribution of plant parasitic nematodes in the soils of tea estates in Ceylon (M. T. Hutchinson)	34,	119
Fumigation of nursery soil (A. Kerr)	34,	150
Further developments in the control of Meadow Nematode (M. T. Hutchinson)	35,	90
Soil samples for eelworm assessment (A. Kerr)	37,	27
Replanting eelworm-infected areas (A. Kerr)	37,	67
Fumigation of nursery soil with methyl bromide (A. Kerr)	37,	162
The occurrence and control of the Root Lesion Eelworm in nurseries (A. Kerr)	38,	22
Recovery of <i>P. loosi</i> from soil samples (P. Sivapalan)	38,	29
Resistance of tea clones and seedlings to the Root Lesion Eelworm (A. Kerr)	38,	42
Nematodes and tea (P. Sivapalan)	38,	178
Nematode problems in young tea (P. Sivapalan)	38,	260
Potato cultivation and Root-Lesion Nematode of tea (P. Sivapalan)	39,	4
Studies on the parasitism and control of tea root disease fungi in Ceylon (N. Shanmuganathan)	40,	19
Laboratory and greenhouse evaluation of some soil fumi- gants for toxicity against five root pathogens of tea (N. Shanmuganathan)	40,	99
Further developments in the control of the Root-Lesion Nema- tode (<i>Pratylenchus loosi</i>) in the nurseries (P. Sivapalan) ..	40,	111
Evaluation of pre-planting nematicidal treatments in young tea plantings (P. Sivapalan)	40,	115

Nettle Grubs

Nettle grub pest of tea in Ceylon (G. D. Austin)	4,	74, 5, 4, 47
Nettle grub populations (C. H. Gadd)	19,	56
Biology and control of the Fringed Nettle Grub (J. E. Cranham)	31,	156

Nurseries

Pests of tea nurseries—a warning (S. Stuart-Light)	1,	19
Nursery selection (F. R. Tubbs)	11,	8 ; 14, 28
Spraying of nurseries with copper fungicides	23,	84
Nursery management (A. L. Elias)	32,	42
Manuring young tea—T 200 (J. A. H. Tolhurst)	32,	152
Polythene bags vs Bamboo supply baskets (F. H. Kehl)	32,	213
Manuring of nurseries	32,	216, 220
A revised fertilizer mixture for nurseries, T 55 (J. A. H. Tolhurst)	36,	43, 137

P

Packing of tea *see* Manufacture, Packing

Packing Materials

Storage and packing of tea (J. Lamb)	8,	171
Notes on packing material (J. Lamb)	10,	126
Notes on the packing of forward samples of tea (J. Lamb)	11,	159
Packing material in war time	13,	11
Questions regarding the local supply of tea chests and fire-wood for estates (J. Lamb)	14,	113
Rubberwood hardboard as panels for tea chests (D. Kirtisinghe)	37,	208

Physiology

Wound gum (T. Petch)	1,	27
Callus (T. Petch)	1,	67
Physiological work in tea (F. R. Tubbs)	4,	103
Defoliation (F. R. Tubbs)	4,	106; 5 : 148
Wound-healing processes (F. R. Tubbs)	5,	22
Distribution of branches and flush within a tea bush (F. R. Tubbs)	5,	25
Physiological investigations (F. R. Tubbs)	19,	64
Physiology of the tea bush (F. R. Tubbs)	22,	73
Physiological and pathological implications of shot-hole borer infestations (B. N. Webster)	27,	111
Some observations on the dormancy of the tea bush (U. Pethiyagoda)	35,	74
Some observations of the growth rate of shaded and unshaded tea on sloping land (H. N. Hasselo)	35,	217
Further studies on the effect of climate on the chemical composition of fresh tea flush (G. W. Sanderson)	35,	222
Carbohydrates in tea plants (G. W. Sanderson)	36, 6; 37 :	86
The determination of leaf areas in tea (U. Pethiyagoda)	36,	48
The influence of 'lungs' on carbohydrate reserves and growth of tea shoots (S. Nagarajah)	36,	88
Effect of leaf age on photosynthetic assimilation of carbon-dioxide in tea plants (G. W. Sanderson)	37,	11
Translocation of photosynthetically assimilated carbon in tea plants (G. W. Sanderson)	37,	140
Physiology as a key to rational tea industry	38,	128
Current trends in physiological inquiry (U. Pethiyagoda)	38,	249
Studies on the dormancy of tea shoots: 1—Hormonal stimulation of the growth of dormant buds (S. Kulasegaram)	40,	31

2—Roots as the source of a stimulus associated with the growth of dormant buds (S. Kulasegaram) ..	40	84
--	----	----

Planting

Improvement of planting material (F. R. Tubbs) ..	12,	38
Planting and supplying in relation to Blister Blight (D. S. Cameron) ..	19,	92
Notes on contour planting ..	21,	1
Method of bringing tea plants into bearing without centering (G. G. Perkins) ..	21,	4
Principles of bush management ..	24,	17
Bringing new clearings into bearing in the Low-Country (T. Walter) ..	24,	39
The future of tea production (J. Lamb) ..	26,	7
Factors affecting the planting distance of tea (T. Visser) ..	29,	36
Inter planting in tea (T. Visser) ..	32,	69, 113
Planting density and pruning (P. R. U. Easteal) ..	32,	156
Planting new clearings—Recent experience at St Coombs (A. L. Elias) ..	33,	202
Progress in planting clonal tea in Ceylon (A. V. Richards) ..	35,	176

Plucking

Plucking individual rows (R. R. N. Godfrey) ..	7,	179
Plucking and shot-hole borer attack in tea (C. H. Gadd) ..	15,	31
Effect of hand plucking (T. Eden) ..	19,	105
Mechanical plucking of tea (B. F. Fay) ..	21,	38
Hand plucking ..	22,	9
Plucking standards (F. R. Tubbs) ..	20,	85
Plucking and crop protection from Blister Blight (C. A. Loos) ..	21,	16
Plucking system ..	22,	9
Plucking—The case for longer rounds in Uva ..	22,	51
Relation of coarse plucking to quality of made tea (E. L. Keegel) ..	22,	112
Principles of bush management (G. B. Portsmouth) ..	24,	17
Plucking and banji (W. H. W. Coultas) ..	24,	68
The validity of assessing tea yields on a basis of intermittent plucking and test plucking (T. Visser) ..	29,	21
Plucking practice in relation to maintenance foliage (T. Visser) ..	31,	38
Some observations on shear-plucking of tea (A. E. Witham) ..	37,	237

Proceeding of Conferences see Conferences, TRI Proceedings of

Poria

Planting on <i>Poria</i> -infested areas (D. Mulder) ..	31,	106
Results of a survey of red root disease in Ceylon tea (D. Mulder) ..	33,	140
Recent developments in the control of <i>Poria</i> Root Disease (N. Shanmuganathan) ..	35,	22
Notice to estates on the use of methyl bromide for controlling <i>Poria</i> Root Disease (N. Shanmuganathan) ..	36,	137
Control of <i>Poria</i> Root Disease with methyl bromide (N. Shanmuganathan) ..	36,	144
The economics of <i>Poria</i> eradication (N. Shanmuganathan) ..	38,	353
Some observations on <i>Poria</i> control by soil fumigation with methyl bromide (N. Shanmuganathan) ..	38,	311

See also Diseases, Root

Pruning

Pruning of tea in relation to disease (C. H. Gadd) ..	2,	10
Some physiological aspects of pruning (F. R. Tubbs) ..	4,	40
Pruning terminology (F. R. Tubbs) ..	4,	101
Recovery from pruning (F. R. Tubbs) ..	6,	11
Pruning in relation to estate profits (F. R. Tubbs) ..	7,	14
Pruning of tea (F. R. Tubbs) ..	7,	75
Increasing the length of the pruning cycle (E. G. B. de Mowbray) ..	7,	99
Effect of pruning on the occurrence of Tea Tortrix (F. R. Tubbs) ..	7,	146
Drought and pruning (F. R. Tubbs) ..	9,	25
Length of pruning cycles (F. R. Tubbs) ..	10,	21
Note on lung pruning (F. R. Tubbs) ..	10,	177
Length of pruning cycles (T. Eden) ..	16,	21, 39
Tea pruning cycle patterns (T. Eden) ..	18,	55
Pruning today (F. R. Tubbs) ..	18,	112
Pruning and crop protection from Blister Blight (G. B. Portsmouth) ..	21,	11
Deficiency, starch—a review of its causes and effects with special reference to types of pruning in the Low-Country ..	25,	96
Some notes on scarlet mites and longer pruning cycles (P. R. U. Easteal) ..	29,	129
Adoption of a three-year pruning cycle at Gallinda Estate (B. Warusavitarne) ..	30,	123
Wedge pruning (D. Roe) ..	32,	100
Planting density and pruning (P. R. U. Easteal) ..	32,	156
Clonal new clearings—the first prune (C. R. Burnet) ..	32,	157
A review of present ideas on hard pruning (J. A. H. Tolhurst) ..	34,	197
Up and down pruning : Mid-& Up-Country observations (A. D. Scott) ..	34,	198
Observations on the response to clean pruning at higher elevations (G. B. Middleton) ..	34,	201
Clean pruning in the mid-country (S. P. Vytilingam) ..	34,	204
Pruning Clone TRI 2024: Observations in the mid-country (J. A. H. Tolhurst) ..	35,	174
The healing saw (J. R. Somerville) ..	35,	204
A note on dieback in relation to pre-pruning practice (A. D. Scott) ..	36,	190, 37 : 95
The importance of timing of pruning in relation to recovery (U. Pethiyagoda) ..	37,	8

Q

Quality of tea

Copper residues in relation to quality (J. Lamb) ..	21,	33
Relation of coarse plucking to quality of made tea (E. L. Keegel) ..	22,	112
Discussion on the relation between quality and manuring (J. A. H. Tolhurst) ..	29,	5
Preservation of quality (E. L. Keegel) ..	29,	56
Improvement of quality (E. L. Keegel) ..	29,	87
Quality in relation to clonal varieties (T. Kane) ..	29,	175

Selection and quality (E. L. Keegel)	29,	178
Studies on the quality and flavour of tea (R. L. Wickremasinghe)	36,	59, 115
On the chemical basis of quality in black tea (G. W. Sanderson)	36,	172
Quality and economy in the production of tea (D. Kirtisinghe)	38,	289

R

Rehabilitation & Replanting

Regeneration of tea (R. V. Norris)	10,	148
Replanting (F. R. Tubbs)	11,	30, 54
Regeneration of tea (M. C. Evans)	11,	98
Seed supply in relation to supplying and replanting (F. R. Tubbs)	11,	160
The competition factor (F. R. Tubbs)	19,	101
Replanting policy	22,	10
Importance of replanting (W. J. Childerstone)	24,	21
Replanting poor yielding areas and vegetative propagation (J. O. Widdows)	24,	43
Future of tea production (J. Lamb)	26,	7
Future of disease control and prevention with particular reference to replanting (B. N. Webster)	26,	24
Insect pests and replanting of tea (B. A. Baptist)	26,	29
Financial aspects of replanting (G. K. Newton)	26,	77
Replanting in the Low Country and associated problems (T. E. Walter)	26,	150
Rehabilitation and replanting—a symposium	29,	145
Experience overseas on replanting with high yielding material (F. H. Kehl)	29,	160
General principles of soil rehabilitation (J. A. H. Tolhurst)	29,	164
Some practical aspects of rehabilitation and replanting (T. B. Pethiyagoda)	29,	166
Economic aspects and problems of replanting (G. K. Newton)	29,	170
Quality in relation to clonal varieties (T. Kane)	29,	175
Selection and quality (E. L. Keegel)	29,	178
Rehabilitation and tea diseases (D. Mulder)	29,	180
Notes on the raising of tea plants vegetatively (D. S. Sutherland)	29,	216
Notes on performance of clones (F. H. Kehl)	29,	242
Methods of rehabilitation and planting (A. W. R. Joachim)	29,	247
Guatemala grass roots in soil rehabilitation (J. A. H. Tolhurst)	30,	117
Selection of areas for tea replanting (J. R. Riminton)	33,	44
Soil rehabilitation: Pre-rooting of guatemala grass cuttings (C. N. J. Mulrenan)	33,	167
Soil rehabilitation using Guatemala Grass (R. K. Christie)	34,	44
Uprooting tea using a Hesford winch (J. Wijeratne)	37,	59
Replanting eelworm-infested areas (A. Kerr)	37,	67

Root Diseases *see* Diseases Root

Rolling of tea *see* Manufacture, Rolling

Rotorvane manufacture *see* Manufacture, Rotorvane

S

Samples and Specimens

How to send in specimens of insects for report (S. Stuart-Light)	1,	17
Samples for report (D. I. Evans)	5,	33
The submission of specimens (B. N. Webster)	25,	17
Submission of specimens for diagnosis and report (D. Mulder)	30,	50
Nematode samples from estates (M. T. Hutchinson)	31,	116
Soil samples from estates for estimation of meadow nematode (M. T. Hutchinson)	34,	34
Interpretation of analysis and examination of advisory samples (J. A. H. Tolhurst)	35,	132
Soil samples for eelworm assessment (A. Kerr)	37,	27

Shade and shade trees

Cultivation of shade trees, green manures and cover crops (T. Eden)	7,	93
Removal of shade trees (R. V. Norris)	9,	100
Salient points in tea cultivation in relationship to green manures and shade trees (T. Eden)	10,	110
Shade trees (R. V. Norris)	13,	137
Control of shade and Blister Blight (T. E. Walter)	21,	35
Infection chains and <i>Acacias</i> (B. N. Webster)	23,	70
Identification of Australian Wattles (<i>Acacias</i>) introduced into Ceylon (R. M. Gorrie)	23,	73
Lopping of low shade into dry weather (B. N. Webster)	23,	84
Shade trees for tea (W. J. Rettie)	24,	90
Propagation of Dadap (P. W. Davis)	25,	42
Green manures and shade trees (R. K. Christie)	31,	121
The shade tree question and green manures (A. W. R. Joachim)	32,	63
Interplanting in tea (T. Visser)	32,	69, 113
A leaf spot disease of <i>Grevillea</i> trees caused by <i>Cryptostictis grevilleae</i> (J. V. Sabanayagam)	33,	104
Ring barking of shade trees: its use and consequences in connection with root diseases (D. Mulder)	33,	146
The vein-banding virus disease of the dadap trees (D. Mulder)	33,	150
New thoughts on shade (W. Hadfield)	34,	90
Shade trees (W. W. Park)	34,	93
Shade trees (H. N. Hassello)	35,	128

Seedlings, Tea

Unhealthy seedlings (R. V. Norris)	3,	71, 107
Note on the variability of tea seedlings (F. R. Tubbs)	6,	118
"Bitten off" disease of tea seedlings (C. H. Gadd)	13,	54
Seedlings and cuttings (J. Bond)	17,	20

Seed and Seed Bearers

Establishment of tea seed gardens	4,	98
Germination of tea seed (F. R. Tubbs)	5,	66
Note on tea seed size (F. R. Tubbs)	5,	113

Seed supply in relation to supplying and replanting (F. R. Tubbs)	11,	160
Seed supplies (R. V. Norris)	15,	23
Vegetative propagation and clonal seed production (G. B. Portsmouth)	25,	75
Storage of tea seed (P. F. Hume)	26,	93
Storage of tea seed (G. B. Noyes)	28,	55
Observations on the germination and storage of tea pollen and seed (T. Visser)	29,	30

Selection of Tea

Some aspects of tea selection (F. R. Tubbs)	11,	166
Improvement of planting material (F. R. Tubbs)	12,	38
Selection of bushes for high yields (F. R. Tubbs)	12,	48
Discussion on tea selection and propagation	13,	38
Selection of high yielding tea bushes for vegetative propagation (T. Eden)	14,	98
Selection of high yielders on Doombastalawa, Kotmale (C. E. V. Ryan)	16,	45
Tea selection (F. R. Tubbs)	18, 59, 60,	91
Selection and vegetative propagation of tea (T. Visser)	29,	76
Selection and quality (E. L. Keegel)	29,	178

Shot-hole Borer

Shot-hole borer discussion	13,	28,	97
Notes on Shot-hole Borer of tea (C. B. Redman King)	13,		111
Life history of the Shot-hole Borer of tea (C. H. Gadd)	14,		5
Observations on an attack of Shot-hole Borer on tea (C. H. Gadd)	14,		132
Shot-hole borer attack in relation to plucking (C. H. Gadd)	15,		31
Shot-hole Borer and wood rot (C. H. Gadd)	16,		6
Does manuring reduce the damage caused by Shot-hole Borer (C. H. Gadd)	16,		30
Damage by Shot-hole borer in relation to yield (C. H. Gadd)	17,		2
Shot-hole borer distribution (C. H. Gadd)	18,		46
Shot-hole borer nomenclature (C. H. Gadd)	18,		49
Shot-hole borer regulations	18,		74
Shot-hole borer galleries	18,		114
Shot-hole borer populations (C. H. Gadd)	19,	58, 20 :	66
Damage to the tea bush by Shot-hole Borer (C. H. Gadd)	19,		96
Life cycle of the beetle (C. H. Gadd)	20,		61
Shot-hole borer discussions	22,		35
Shot-hole borer symposium	27,		83
Historical review of shot-hole borer investigations (G. D. Austin)	27,		97
Research work on Shot-hole Borer (E. Judenko)	27,		103
Field observations on the shot-hole borer pest in the Low-Country (J. E. Walters)	27,		107
Observation on Shot-hole Borer on tea small holdings (R. L. Illankoon)	27,		112
Pathological and Physiological implications of shot-hole borer infestations (B. N. Webster)	27,		114
Manuring of tea and possible connections with shot-hole borer attack (J. A. H. Tolhurst)	27,		120
Shot-hole Borer in South India (S. Ananda Rao)	27,		123

Appearance of adult Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.) outside their galleries under natural conditions (E. Judenko) ..	29.	104
Note on the distribution of the entrances to the open galleries made by Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.) on tea (E. Judenko) ..	29.	112
Preliminary small scale field experiments on a chemical method for the prevention of shot-hole borer (<i>Xyleborus fornicatus</i> Eichh.) attack on tea in plucking (E. Judenko) ..	29.	115
Note on the storage of the ambrosia fungus by the shot-hole borer beetle (<i>Xyleborus fornicatus</i> Eichh.) (E. F. W. Fernando) ..	30.	50
Further small scale field experiments on the chemical control of attack by Shot-hole Borer on tea in plucking (E. Judenko) ..	31.	19
Shot-hole borer clones (E. Judenko) ..	31.	72
Control of Shot-hole Borer by Dieldrex (A. P. Newton) ..	31.	172
Control of Shot-hole Borer—Experiments in progress (E. Judenko) ..	32.	23
The chemical control of Shot-hole Borer of tea ..	32.	171
Can Shot-hole Borer of tea infect and grow in shade trees of tea (E. Judenko) ..	32.	185
The chemical control of Shot-hole Borer with Dieldrex—Interim report on estate trials 1960-61 (J. E. Cranham) ..	35.	5
Field experiments on the chemical control of Shot-hole Borer on tea soon after pruning (E. Judenko) ..	33.	69
Storage and transmission of ambrosia fungus in the adult <i>Xyleborus fornicatus</i> Eichh (E. F. W. Fernando) ..	34.	38
Shot-hole borer biology and control: notes for planters, 1963 (J. E. Cranham) ..	34.	127
Research on new developments on Shot-hole Borer (J. E. Cranham) ..	35.	32
Studies on the population ecology of Shot-hole Borer on tea in Ceylon (D. Calnaido) ..	35.	41
Some factors affecting the efficiency of dieldrin sprays for Shot-hole Borer (J. E. Cranham) ..	35.	180
Preliminary ecological studies on Shot-hole Borer and their relation to the control of the pest (D. Calnaido) ..	37.	28
Mid cycle sprays for the control of Shot-hole Borer (J. E. Cranham) ..	37.	56
Shot-hole borer control (W. Danthanarayana) ..	37.	100
The flight and dispersal of Shot-hole Borer of tea (D. Calnaido) ..	37.	185
Tolerance and susceptibility of tea clones to shot-hole borer infestation (D. Calnaido) ..	38.	275
Further observations on the tolerance and susceptibility of tea clones to shot-hole borer infestation (K. Thirugnanasuntheran) ..	39.	6
The distribution and host range of the Shot-hole Borer (<i>Xyleborus fornicatus</i> Eichh.) ..	39.	61
Recent developments on research on shot-hole borer control (W. Danthanarayana) ..	39.	94
Shot-hole borer control: Recommendations for 1969 (W. Danthanarayana) ..	39.	115
Observations on the tolerance and susceptibility of tea clones to shot-hole borer infestation—1969 (K. Thirugnanasuntheran) ..	40.	47

Soils, Acidity

Tea and soil acidity, water culture experiments (C. H. Gadd)	1,	2, 31
Tea and soil acidity, pot culture experiments (C. H. Gadd)	2,	2
Soil acidity and base exchange (T. Eden)	2,	100
Soil sampling for pH and eelworm tests (J. A. H. Tolhurst)	26,	112
Notes on soil pH (J. A. H. Tolhurst)	27,	70

Soils, Conservation

Green manuring and soil conservation (T. Eden)	3,	17
Note on soil conservation (W. G. Lester-Smith)	11,	41
Soil conservation in the tropics (F. Stockdale)	13,	85
Soil conservation under the plantation system of tea cultivation in Ceylon (J. A. H. Tolhurst)	28,	50

Soils, Erosion

Memorandum on soil erosion (R. V. Norris)	3,	4
A reverse slope drainage system (A. G. D. Bagot)	3,	73, 114
Soil erosion and cover crops (C. H. Wilkinson)	4,	26
Soil erosion—the present position (T. Eden)	4,	113
Soil erosion demonstration at Moshi	9,	31
Waste by wind and water (H. W. Bennett)	9,	73
Waste material from ravines (F. R. Tubbs)	10,	175
Soil erosion in the colonial empire (F. Stockdale)	10,	209
Soil erosion in Ceylon	10,	223
Soil erosion on tea estates and some suggestions for its control (W. C. Lester-Smith)	11,	199
Soil erosion prevention on tea estates (C. H. Wilkinson)	13,	59

Soils, Fertility

Recent views on soil fertility (T. Eden)	18,	15
Patna fires on estates and water catchments (R. M. Gorrie)	21,	45
Maintenance of fertility in soils (J. Lamb)	22,	45
Green manuring in the maintenance of fertility of tea soils (G. B. Portsmouth)	22,	97
Principles of bush management (G. B. Portsmouth)	24,	17
Note on mulches	25,	41
Estimation of organic matter supplied by regularly plucked tea bushes (T. Visser)	31,	101
Biochemical studies on the organic matter in Ceylon tea soils (M. S. Ramasamy)	31,	136
Organic matter in Ceylon tea soils (J. A. H. Tolhurst)	32,	16
Organic matter and parasitic fungi (D. Mulder)	32,	140

Soils, General

Part played by organic matter in soils (T. Eden)	2,	96
Soil improvement	4,	22
Soils, fertilizer and the growing plant (T. Eden)	5,	141
Drought conditions in relation to tea culture (T. Eden)	8,	27
Soil management (J. Russell)	12,	16
What is good soil? (T. Eden)	15,	28
Soil fumigation (C. A. Loos)	25,	41

Chemical and biochemical investigations on Ceylon tea soils (J. Lamb)	26,	31
General principles of soil cultivation and of methods of manure applications to tea (J. A. H. Tolhurst) ..	30,	19
Guatemala grass roots in soil rehabilitation (J. A. H. Tolhurst)	30,	117
The influence of the soil on the development of plant diseases and pests (D. Mulder)	31,	165
Tea roots show effective depth of soil (H. N. Hassello) ..	33,	45
Asphyxiation of tea roots in clayey soils (R. L. de Silva) ..	38,	340
The importance of soil air for tea root growth (R. L. de Silva)	39,	42

Spraying, Appliances

Spraying machines for estate use (C. B. Redman King) ..	9,	67
Spray equipment (J. Lamb)	22,	14
Trials conducted with the 'micron' power sprayer in connection with the application of oil-based copper fungicides (C. A. Loos)	22,	133
Note on an improvement to pneumatic knapsack sprayers (J. Landreth)	23,	86
Power charging of knapsack sprayers (J. Landreth) ..	25,	15
Pressure regulation of knapsack sprayers (J. Landreth) ..	25,	62
American Boomjet nozzle OC-02 (J. Landreth)	25,	69
Motorised knapsack mistblowers (A. L. Elias)	31,	169
Power charge pumps (A. L. Elias)	31,	175
Report on a working party on mistblowers (J. E. Cranham)	32,	201

Stem Diseases *see* Diseases, Stem

Substations

Passara substation	8,	168, 9 : 1, 88, 94
Demonstration in Uva	21,	48
District Advisory Service—Uva Province	34,	89
Passara Substation	36,	41
Mid Country Advisory Service	37,	165
Progress with research in the mid country (D. Calnaido)	38,	190
Progress with research in Tea in Uva (L. M. de W. Tillekeratne)	38,	193

Symposia

First on Blister Blight on 10/11/49	20,	97
Second on Shot-hole Borer on 14/9/56	27,	83
Third on tea rehabilitation and replanting on 28/11/58 ..	29,	143

T

Tasting

'Tea taster' terms (J. Lamb)	7,	129
Glossary of tea taster terms (R. G. Bradshaw)	8,	183
Sulphur taints (J. Lamb)	8,	187

Tea Seedlings *see* Seedlings, Tea

Tea Supplies

Supplying (F. R. Tubbs)	9,	68
Seed supply in relation to supplying and replanting (F. R. Tubbs)	11,	160
Supplying and planting in relation to Blister Blight (D. S. Cameron)	19,	92
Competition factor—Tea supplies (F. R. Tubbs)	19,	101

Tea Yield *see* Yield of Tea

Tea Tortrix

Tea Tortrix (T. Petch)	1,	23
<i>Trichogramma</i> , an egg parasite of Tortrix (C. B. Redman King)	3,	61
Tea Tortrix (<i>Homona coffearia</i> Nietn.) (C. B. Redman King)	6,	153
Effect of pruning on occurrence of Tea Tortrix (F. R. Tubbs)	7,	146
Tortrix parasites from Java—Object of importation (C. B. Redman King)	9,	38
Tortrix problem (C. B. Redman King)	10,	46
Long-tailed parasite (<i>Macrocentrus homonae</i>) of Tortrix (C. B. Redman King)	10,	187
Tea tortrix regulations	1, 23, 12, 23,	54; 34
Tortrix control (C. B. Redman King)	12,	86
Control of Tortrix by its parasite <i>Macrocentrus homonae</i> (C. H. Gadd)	14,	93
Tea Tortrix—populations (C. H. Gadd)	19,	57
Tea leaf-eating tortrix caterpillar as a limiting factor in insecticidal applications on tea (B. A. Baptist)	27,	28
The natural balance of pests and parasites of Ceylon tea—especially Tea Tortrix and <i>Macrocentrus</i> (J. E. Cranham)	32,	26
An alternative to DDT for tortrix control (J. E. Cranham)	33,	196
The chemical control of Tea Tortrix (<i>Homonae coffearia</i> Nietn) (W. Danthanarayana)	39,	50

Termites

Termites (C. B. Redman King)	10,	160
Insect pests and replanting of tea (B. A. Baptist)	26,	29
Termites of Ceylon tea estates (D. J. W. Ranaweera)	33,	88

Trace Elements

Minor elements in relation to plant growth	11,	213
Minute amounts of chemical elements to plant growth (D. R. Hoagland)	13,	148
Deficiency diseases and the rate of minor elements in plant life (T. E. T. Bond)	16,	9
Boron deficiency of brassicae on St Coombs (F. Haworth)	23,	86
Minor elements nutrition of the tea bush in Ceylon (F. Haworth)	23,	67
The NPK Ca Mg Na Mn Fe Cn Bo Zn Mo Al contents of leaves of increasing age (H. N. Hassello)	36,	122
A note on the manganese content of some tea soils in Ceylon (F. S. C. P. Kalpage)	38,	344

Transport

Trolley for estate paths	22,	12
Note on leaf transport (J. Landreth)	25,	69

V

Vegetative Propagation of Clones

Note on vegetative propagation of tea (F. R. Tubbs)	5,	154
Propagation of tea by single internode cuttings	11,	212
The improvement of planting material (F. R. Tubbs)	12,	38
Propagation of tea by single internode cuttings in peat moss	12,	50
Note on the manufacture of leaf from selected individual bushes (J. Lamb)	12,	183
Selection and propagation—Discussion at Subconference	13,	38
Clone testing in the field (T. E. T. Bond)	14,	61
Selection of high yielding tea bushes for vegetative propagation (J. Eden)	14,	98
Technique of vegetative propagation of tea (T. Bond)	14,	102
Seedlings and cuttings (J. Bond)	17,	20
Vegetative propagation of selected bushes (F. R. Tubbs)	18,	91
Vegetative propagation of tea (E. C. Marsh-Smith)	18,	107
Shaping the future bush—A note on the preliminary treatment of young clonal plants (F. H. Kehl)	20,	93
Vegetative propagation of tea by young nodal cuttings (F. H. Kehl)	21,	3
Effect of manure on rooting of internode cuttings (F. H. Kehl)	21,	36
Vegetative propagation in relation to the replanting of poor areas (J. O. Widdows)	24,	43
Vegetative propagation of tea—the manufacturing aspect (E. L. Keegel)	24,	82
Vegetative propagation and clonal seed production (G. B. Portsmouth)	25,	75
Vegetative propagation in tea — its practical applications (R. J. S. Bean)	27,	24
Interclonal variations in the effects of apical dominance (G. B. Portsmouth)	28,	30
Selection and vegetative propagation of tea (T. Visser)	29,	76
Clonal selection in Ceylon in relation to replanting (T. Visser)	29,	154
Selection and quality (E. L. Keegel)	29,	76
Quality in relation to clonal varieties (T. Kane)	29,	175
Raising of tea plants vegetatively (D. S. Sutherland)	29,	216
Clones cultivated, acreage, yields etc.	29,	237
Notes on performance of clones (F. H. Kehl)	29,	242
TRI yields of clonal rows	29,	253
Application of growth substances on clonal cuttings (K. V. S. Krishna)	30,	121
Lists of approved clones	30,	52, 142
Tea made from clones (E. L. Keegel)	30,	131
Vegetatively propagated tea plants—growing and transplanting economically (A. Watt)	31,	53
Some results with vegetative propagation of TRI 2026 (D. S. Jayawickrema)	31,	81
Shot-hole borer and clones (E. Judenko)	31,	72
VP clearings at St Coombs (A. L. Elias)	31,	110
Do not kill your mother bushes (F. H. Kehl)	32,	145

Survival of clonal tea in droughty areas	34,	22
Some factors contributing to poor results with VP tea in nurseries and clearings (F. H. Kehl)	35,	85
A note on the identification of some TRI clones (A. V. Richards)	35,	168
Some observation on drought resistance of tea clones (A. V. Richards)	35,	169
Progress in planting clonal tea in Ceylon (A. V. Richards) ..	35,	176
The origin of popular TRI Clones (A. V. Richards) ..	36,	183
The breeding, selection and propagation of tea (A. V. Richards)	37,	154
Resistance of tea clones and seedlings to the Root Lesion Eelworm (A. Kerr)	38,	22
The development of clonal tea in Ceylon (A. V. Richards) ..	38,	139
Some observations on the performance of the popular TRI and estate clones (A. V. Richards)	38,	245
Tolerance and susceptibility of tea clones to shot-hole borer infestation (D. Calnaido)	38,	275
Towards low-cost vegetative propagated tea plants (C. S. Illangakoon)	38,	347
Manufacturing properties of Ceylon tea clones (D. Kirtisinghe)	39,	29

Virus Diseases *see* Diseases, Virus

Visits, Abroad, Articles on

Diseases and pests of tea in Nyasaland	1,	80
First sale of Kenya tea	1,	82
New fungi on tea in Italy	1,	82
Modern tea factories in Java	4,	13
Export of Dutch teas	5,	2
Recent developments in Russia (H. H. Mann)	5,	115
Tour in Java	8,	76
Tea cultivation in the Southern Highlands of Tanganyika ..	9,	3
Tea consumption in India (P. J. Griffiths)	11,	208
Visit by the Director to Indian Research Stations	13,	135
The present position of tea selection in Java	14,	23
Report on a visit to South India (F. R. Tubbs)	19,	109
Tea cultivation in Indonesia	21,	46
Shade requirements of tea in North India (G. B. Portsmouth)	25,	80
Selection and seed production in Assam (W. Wight) ..	26,	72
Experiences overseas on replanting with high-yielding material (F. H. Kehl)	29,	160
Address by representatives of Indian Tea Association, Tocklai (1958)	29, 181, 184,	186
Report on a visit to the tea producing areas in Georgia USSR	30,	5
Report on a visit to North East and South India	30,	71
Visit to South India (D. Mulder)	31,	68
The 20th Tocklai Annual Conference (A. W. R. Joachim) ..	34,	169
Notes on a visit to the 10th Annual Conference LPASI and to some tea estates (U. Pethiyagoda)	34,	172
Recent advances in tea manufacture in North East India (G. W. Sanderson)	34,	179
Some aspects of tea culture in South India (S. P. Vythilingam)	37,	3

Some aspects of tea culture in Uganda and Kenya (D. Kirtisinghe)	38,	3
Manufacture and marketing of tea in Kenya and Uganda (D. Kirtisinghe)	38,	10
Some observations on tea in Japan (R. L. Wickremasinghe)	39,	25

W

Weed Control

Weeding (G. Brown)		
Some indigenous weeds (C. Huntley Wilkinson)	6,	176
Tea weeding (E. C. Marsh-Smith)	16,	42
Note on the flowering of the so-called dwarf variety of <i>Aster-misia vulgaris</i> (F. R. Tubbs)	18,	65
Note on the effect of <i>Drymaria</i> on an estate in Uva (T. Glen Dickson)	18,	84
Manurial responses of tea and weeds (T. Eden)	19,	5
Mosses and ferns	22,	10
Weed problems on tea estates (G. B. Portsmouth)	22,	101
Dispersal of <i>Drymaria cordata</i> seeds by ground feeding birds (W. W. A. Phillips)	27,	73
Interplanting in tea, effect of shade trees, weeds and bush crops (T. Visser)	32,	69
Chemical control of weeds (H. N. Hassello)	36,	22
Investigations with paraquat (Gramoxone) as a herbicide for weed control in low-grown tea (U. P. De S. Waidyanatha)	39,	11
The use of diuron for weed control in mature low-grown tea (D. T. Wettasinghe)	39,	119
Evaluation of herbicides for weed Control in mature tea : 1—Effects on the weed species (D. T. Wettasinghe)	40,	160

Withering of tea *see* Manufacture, Withering

Y

Yield of Tea

Tea restriction (R. V. Norris)	5,	134
Effect of defoliation on the yield of flush (F. R. Tubbs)	5,	148
Studies in the yield of tea—The effect of cultivation and weeds on crop growth (T. Eden)	14,	47
Damage by Shot-hole Borer in relation to yields (C. H. Gadd)	17,	2
Yield in relation to bush growth (T. Eden)	20,	18
The validity of assessing tea yields on a basis of intermittent plucking and test plucking (T. Visser)	29,	21
A note on the effect of different copper preparations on tea yield (T. Visser)	29,	45
Yields of TRI clonal rows	29,	253
An evaluation of monthly variations in yields of tea of two estates (H. N. Hassello)	34,	111
Productivity gradients on sloping tea lands (H. N. Hassello)	35,	207

S U B J E C T I N D E X

A

Absolute humidity—

table .. 2, 117

Absorption of moisture .. 1, 24, 36, 173

Acacia decurrens .. 1, 28, 3, 65, 112, 132, 5, 19, 8, 106, 9, 20, 99,
14, 122, 21, 45, 47, 22, 27, 23, 71, 72, 75, 84,
85, 30, 80, 31, 122

Acaricides—

additives for, .. 33, 192

applications, .. 26, 130, 28, 47, 48, 29, 60, 125, 33, 5, 32, 69-82,
193, 38, 273

fungicides as, .. 26, 129, 130-137

mite resistance to, .. 31, 7, 33, 192, 193

mixtures, .. 28, 48, 32, 192

residues & taint, .. 28, 48, 31, 6, 7, 33, 189, 192

toxicity, .. 31, 7

Acarina, .. 9, 144

Accelerators of enzymes, .. 18, 66

Acetic acid, .. 6, 50

Acidity, Soils—

pH .. 26, 112, 27, 70

pot culture experiments, .. 2, 2

water culture experiments, .. 1, 2, 3

Addapu dhools, .. 5, 65

Addresses—

Ceylon Association in London, 8, 85, 10, 110, 141, 11, 121, 12, 160, 18, 74

Conferences, .. 2, 35, 4, 14, 39, 6, 1, 8, 4, 10, 1, 12, 3, 19, 1,
20, 2, 22, 37, 24, 3, 26, 85, 32, 6, 35, 6, 8,
114, 116, 118, 122, 38, 224, 296, 298

General, .. 8, 151, 20, 48, 25, 63

Planters' Associations,

Dickoya, .. 7, 134, 8, 79, 10, 187, 12, 110, 22, 45, 101

Dimbula, .. 7, 75, 11, 54, 12, 110, 166, 22, 45

Dolosbage-Kotmale, .. 5, 28, 7, 83, 11, 166

Dolosbage-Yakdessa, .. 2, 96

Kegalle, .. 23, 109

Madulkelle, .. 9, 59, 68, 11, 22

Morawak Korale, .. 7, 93, 18, 12, 23, 60, 25, 63, 26, 150

Nuwara Eliya, .. 8, 177, 10, 183, 11, 30, 12, 110, 19, 23, 21, 18

Pussellawa, .. 3, 17, 19, 43

Sabaragamuwa, .. 4, 113, 6, 59, 7, 4, 8, 126, 10, 117, 167, 11, 160

Southern Province,	..	11, 187, 22, 97
Uva,	..	9, 25, 59, 133, 11, 22, 22, 45
Aeration of tea soils,	..	8, 178
African tea,	..	29, 88
Ageing of tea,	..	10, 36, 11, 36

Air—

bulking,	..	2, 90, 116, 11, 151
circulation control	..	3, 81, 82
conditioning,	..	2, 89, 91-95, 115-121, 11, 151, 33, 61
drying capacity,	..	2, 89, 93, 116-119
mixtures,	..	2, 116-120
Akar,	..	28, 48, 29, 125 33, 192

Albizia—

Bagworm,	..	1, 46
Bark-eating Borer,	..	33, 30
Caterpillar,	..	2, 74
seedlings, defoliation,	..	23, 84
shade species,	..	2, 125, 3, 36, 4, 28, 29, 7, 93, 9, 100, 10, 110, 13, 137, 23, 70, 24, 90 25, 42, 31, 121, 32, 63, 34, 90, 93
Weevil,	..	1, 46, 48

Alcohol—

in tea cider,	..	6, 51
Aldehydes,	..	36, 59, 115, 117, 169
Aldrin,	..	33, 90, 34, 92, 37, 56, 57, 101, 102, 39, 108
Aluminium,	..	10, 191-193, 11, 156, 157, 159, 12, 179, 181
Aluminium grading sieves,	..	10, 191
Ambrosia fungus,	..	13, 31, 17, 133, 18, 114, 115, 19, 96, 30, 4, 50 34, 39, 40, 128, 129, 133, 37, 40, 102, 39, 94
Amino acids,	..	31, 40, 102
Ammonium sulphate,	..	14, 2, 32, 19-21, 66, 98, 37, 51, 52

Analysis—

cream of tea,	..	37, 131-133
foliar,	..	36, 122

Anguillulina pratensis see Nematodes

Anthocorid Bug,	..	2, 74
Anti-erosion methods,	..	3, 3
<i>Aphis</i> ,	..	2, 74, 5, 71, 32, 29, 49
Appearance of made tea,	..	29, 89, 37, 75, 79
Appliances, Spraying,	..	9, 67, 22, 14, 133, 23, 86, 25, 15, 62, 69, 31, 169, 175, 32, 201
Arachinida,	..	31, 5
Aramite,	..	30, 72
<i>Armillaria mellea</i> ,	..	1, 80, 108, 3, 109, 113, 13, 117, 14, 160, 30, 114, 33, 152, 153, 35, 14, 21
Aroma,	..	3, 49, 53, 8, 186, 36, 62, 115, 172, 38, 293-295 39, 81-86

<i>Artemisia vulgaris</i> ..	..	6, 117, 176, 8, 107, 10, 206, 13, 64, 68
Arteries, hardening of, ..	..	39, 3
Artificial farmyard manure, ..	..	1, 6
Artificial manures, ..	..	2, 68, 71, 82, 98, 129-134, 5, 141-148, 6, 28-32 7, 133, 141, 8, 126, 129, 181, 9, 62, 66, 188 10, 172

Ash content—

of tea leaves,	14, 78, 92, 110
-------------------	----	-----------------

Assessment of—

blister blight infections, ..	..	22, 30, 129, 24, 72, 73, 25, 13, 14, 27, 3, 5, 8 29, 10, 31, 57, 33, 38,
eelworms, ..	..	37, 27
Shot-hole Borer..	..	17, 2, 6, 7, 19, 96-98, 20, 66, 29, 51, 33, 9
tea yields, ..	..	12, 27, 16, 46-51, 22, 109, 23, 104, 26, 43, 29, 21, 37, 94
Assimilation of radioactive carbon		37, 12, 15, 152
Atherosclerosis ..	..	39, 3
Atlas Moth ..	..	4, 86

Attacus atlas see Atlas Moth

Attractants, insects, ..	..	37, 103
Atratone, ..	..	36, 29
Atrazine, ..	..	36, 29
<i>Atylosia sugosa</i>, ..	..	13, 68
Authoradiography, ..	..	27, 151
<i>Azotobacter</i>, ..	..	32, 83

B

Bags, polythene, ..	..	33, 209, 34, 36, 39, 40, 77, 128, 133, 35, 86
Bagworms, ..	..	1, 45, 78, 5, 46, 59

Bakey teas—

definition, ..	..	8, 132, 186
Balances, ..	..	5, 60, 61
Banji, ..	..	4, 105, 10, 25, 30, 24, 68, 35, 74-83
Baries, clonal ..	..	29, 162
Bark borers, ..	..	13, 111, 14, 117
Bark-eating borers, ..	..	29, 162, 33, 30
Basic slag, ..	..	5, 143, 7, 63

Battens—

Crescent, ..	..	14, 71, 18, 20, 29, 103
general, ..	..	9, 136, 10, 60, 11, 136, 137, 143
M & S, ..	..	14, 71, 18, 20, 20, 28, 29, 103
Bearing, bringing into, ..	..	6, 81, 21, 4, 24, 17, 39, 33, 66, 36, 33
Bending, in relation to bearing,		24, 41, 32, 166

Beverages—

Cider, tea, ..	..	5, 126, 6, 48, 28, 35, 32, 222, 39, 37
Bheti planting, India— ..	..	30, 72
Bi-clonal selection, ..	..	30, 78
Bins, ..	..	5, 56, 34, 43
Biochemical aspects, tea, ..	..	31, 76, 32, 196, 33, 156, 34, 56, 35, 101, 202 36, 6, 115, 159, 167, 172, 37, 11, 75, 86, 131 134, 140, 232, 38, 36, 205, 287, 293, 309, 331 39, 81, 40, 26, 93
Biological Control, of pests ..	..	2, 75, 76, 3, 61, 91, 4, 36, 73, 8, 139, 10, 187 23, 117, 24, 31, 32, 26, 49, 37, 56, 100

Birds—

in relation to nettle grubs, ..	..	4, 85
tortrix, ..	..	6, 160
insectivorous, ..	..	5, 81
Biscuity leaf, ..	..	8, 131
Bitten off disease, ..	..	3, 94, 13, 56-58, 17, 12
Black blight, ..	..	33, 107, 108
Black leaf, ..	..	8, 184
Black root rot, ..	..	1, 11,, 55-60, 9, 7, 10, 98
Black rot, ..	..	22, 27, 35, 32, 51, 33, 51, 93, 105
Blackening of leaf, ..	..	3, 77
Blackness of tea, ..	..	37, 75-79, 134, 38, 207
Blending of tea, ..	..	22, 14, 35, 114
Blight, Horse Hair, ..	..	37, 213

Blister Blight—

assessment methods, ..	..	22, 129, 130, 24, 72, 73, 25, 13, 14, 27, 3-6, 8 29, 10, 11, 31, 57, 33, 38,
control, ..	..	19, 10, 11, 34, 37, 38, 20, 78-81, 97-148, 21 12, 13, 27, 29, 32, 22, 126, 133, 23, 6, 22, 76, 24, 70, 25, 10, 13, 29, 38, 27, 3, 7, 10 14, 29, 9, 32, 88, 91, 36, 41, 191, 37, 128, 38, 282, 336
forecasting, ..	..	19, 9, 13, 34, 41, 30, 39-43, 31, 56, 32, 88, 91 33, 34
fungicides, against ..	..	19, 14, 33, 39, 78, 20, 106, 22, 54, 78, 127, 23, 6, 13, 76, 77, 24, 70, 97, 25, 10, 13, 14, 39 27, 7, 29, 45, 32, 93, 99, 33, 34, 40, 105, 36 64, 112, 37, 126, 127, 128, 38, 336
general, ..	..	18, 90, 19, 2, 53, 87, 96, 20, 54, 56, 60, 77-84 22, 32, 59, 63, 91, 24, 70-74, 25, 10, 11, 29- 32, 28, 49, 31, 12, 32, 30, 76, 37, 168, 175
in India, ..	..	1, 75
in relation to rainfall, ..	..	19, 25, 37, 40-42, 22, 65, 23, 9, 29, 9, 32, 88 33, 34, 35, 37
shade, ..	..	19, 12, 34, 41, 21, 36, 33, 39, 40
sunshine, ..	..	29, 9, 32, 88, 91, 33, 34, 35, 37, 40
yield, ..	..	19, 51, 53, 56, 21, 21, 36, 29, 15, 16
protection methods, ..	..	19, 78, 21, 11, 16, 22, 27, 28, 33, 35, 41, 22 55, 63, 73, 86, 90, 118, 23, 12, 24, 97, 29 9, 30, 39, 31, 56, 32, 88, 91, 33, 34, 36, 69 191, 37, 121, 128, 38, 282, 336

report on,	..	..	151, 159
spores,	..	..	19, 10, 44, 90, 20, 54, 56-58, 105, 22, 63, 64-68 31, 39, 56, 33, 34-39
spraying against,	..	..	19, 11, 18, 37, 39, 41, 20, 105, 21, 12, 16, 20 38, 45, 22, 53, 68, 23, 2, 3, 6-11, 76, 77, 24 70, 73, 97, 29, 10, 30, 4, 39, 31, 12, 16, 20 38, 45, 36, 65, 68, 37, 126, 127, 129
symposium,	..	..	20, 100-148
trials,	..	..	27, 7-9, 29, 10, 11, 33, 39, 42, 36, 14, 21, 37 122, 123
Blistered leaf,	..	..	8, 184
Blistering of tea,	..	..	5, 54, 8, 58
Bloodmeal,	..	..	9, 62
Bonemeal	..	..	2, 129, 134, 5, 143, 7, 13
Bordeaux mixture,	..	..	2, 15, 19, 80, 29, 11, 13, 32, 51, 39, 110
Boron, deficiency,	..	..	13, 148-152, 22, 75, 23, 86, 31, 99, 32, 65

Branch Canker *see* Canker, branch

Branches, formation,	..	..	5, 25
Breeding & selection,	..	..	9, 55, 10, 10, 108, 149, 11, 54-68, 166-173, 12, 9 40, 41, 44, 45, 13, 40-43, 14, 23, 28, 99, 85 75-79, 29, 178, 30, 13, 78, 35, 92, 37, 154-159
Bright infusions,	..	..	7, 132, 8, 184
Bright liquors,	..	..	7, 133, 8, 185
Brisk liquors,	..	..	7, 133, 8, 185
Brown blight,	..	..	1, 80, 108, 20, 14, 22, 35, 32, 5, 35, 200
Brown root rot,	..	..	1, 10, 104-106, 9, 7, 101-107
Bud, break,	..	..	21, 13
Bud, mutation,	..	..	34, 19, 20
Budding tea,	..	..	10, 11, 14, 23, 19
Bug, green	..	..	31, 6
Lugus	..	..	4, 37, 25, 18, 19, 30, 70, 108-112, 32, 205
Tea seed	..	..	30, 76
Bulk manures,	..	..	8, 126
Bulking air,	..	..	2, 90, 116-119, 11, 151
Bulking chambers,	..	..	2, 116-119
Burner, Alcosa,	..	..	9, 168
Burning of patana,	..	..	4, 100

Bush—

characteristics,	..	..	29, 155, 33, 89, 35, 89
management,	..	..	24, 117
yield,	..	..	29, 117
Bushes for diagnosis,	..	..	30, 50
Bushes, mother,	..	..	29, 76
bye-passes on tea driers	..	..	5, 35

C

Caffeine,	..	..	1, 87, 29, 95, 34, 173, 35, 152, 153, 166, 228
Calorific values,	..	..	8, 70, 9, 18, 20, 23
Callus,	..	..	1, 30, 67, 2, 11, 14, 4, 46, 120
Cambidium,	..	..	2, 11
CAN	..	..	37, 51-55

Canker—

branch,	36, 14, 21, 37, 221-228
stem,	35, 195-199, 37, 221, 38, 322, 39, 87, 92, 40, 164
Capacity of driers,	5, 36, 37
Capsid Bug,	3, 25, 5, 157

Carbohydrates—

biosynthesis,	36, 11, 37, 11, 240
determination,	29, 98, 31, 76, 36, 6, 11
dieback,	13, 32, 16, 6, 8, 19, 97, 22, 53, 26, 45, 47, 31 69, 32, 65, 33, 6, 10, 13, 34, 28
in roots,	33, 11, 88, 101, 37, 88-91
Carbon dioxide,	3, 28, 4, 7
Carbon in soil,	5, 31, 31, 136
Carbon nitrogen ratio,	2, 99, 4, 41, 105, 5, 30, 8, 128, 152, 9, 63, 10 115, 13, 35
Carotenoids,	36, 115, 117, 177
Castes of termites,	10, 16
<i>Casuarina</i> ,	33, 88
Catechins,	9, 106, 11, 106, 108, 29, 95
Catechol,	11, 107
Cell sap, pH values,	1, 35
Cellophane linings,	8, 175, 10, 127
Cells of leaf,	1, 96
Centering,	4, 102, 34, 170

Ceylon Association in London—

Addresses,	8, 85, 10, 110, 141, 11, 121, 12, 160, 18, 74
Chambers, bulking,	2, 116-119
Characteristics,	29, 155, 33, 89, 35, 89
Characteristics, made tea,	37, 118
Chemistry of tea,	10, 103-109, 13, 104, 155, 29, 95
Chemosterilants,	37, 103
Chloroform	34, 193-196, 37, 76
Chlorophyll	1, 32, 29, 98, 31, 76, 33, 148, 150, 34, 16, 19
Chlorodane,	29, 116, 31, 19, 24, 33, 97
Chlorosis,	13, 151, 17, 13, 27, 121, 29, 132, 30, 113, 157 161, 33, 134, 148, 34, 19
Choice, flavour,	7, 132

Chromatographic studies—

of flavonals	32, 190, 191
Oxidation products	32, 193, 198
Cider, tea,	5, 126, 6, 48, 20, 35, 32, 222, 39, 37
Citrus red mite,	31, 5

Climate—

cold resistance,	25, 13, 26, 141, 27, 5
drought effects,	8, 33, 180, 12, 24, 34, 13, 25, 23, 109-113, 24, 93, 26, 14, 47, 140, 27, 77-79, 28, 8, 12, 19, 34, 22-33, 35, 169, 170, 174, 198, 217

hail damage, ..	..	26, 198-110
rain response ..	..	8, 33, 35, 10, 49, 28, 18, 19
Clipper plucking, ..	..	24, 48, 49
Clivemeare roller, ..	..	10, 118, 145-150, 18, 79
Clean pruning, ..	..	4, 102, 6, 8, 12, 15, 18, 132, 7, 48, 75, 99 34, 201, 202 36, 89, 90
Clearings, new ..	..	37, 70

Clonal cuttings—

approved ..	..	5, 155, 29, 79, 237, 30, 52, 131, 142, 33, 183 184, 35, 177, 37, 156
diseases of, ..	..	33, 152-155, 35, 196-198
manure for, ..	..	26, 31, 31, 81, 32, 48, 49, 217, 218, 220
nursery techniques, ..	..	13, 106-110, 18, 2, 22, 36, 23, 68, 82, 87, 24 13-16, 25, 51-56, 63, 26, 117, 29, 77, 79, 31 53, 32, 48, 217, 220, 37, 157, 158
origin of, ..	..	36, 183
planting methods, ..	..	20, 93, 29, 77, 32, 44, 47, 33, 151, 34, 36, 35, 85, 86, 88
shade requirements, ..	..	13, 123, 16, 45, 20, 109, 23, 64, 24, 90, 91, 25 82, 26, 15, 31, 53, 32, 45, 33, 146, 35, 169, 170
transplanting, of ..	..	22, 44, 23, 115, 27, 25, 62, 29, 85, 31, 53, 54, 32, 46, 214
selection of, ..	..	12, 42, 14, 23, 29, 98, 102, 17, 20, 21, 18, 59-64, 22, 33, 29, 154, 30, 59-62, 35, 92, 93, 176, 177
yields of ..	..	29, 28
Clones, ..	..	31, 72, 34, 22, 35, 168, 169, 176, 36, 183, 38, 22, 139, 245, 275
Coccinellid beetle, ..	..	2, 74
Cockchaffers, ..	..	2, 75
Collar Canker, ..	..	1, 80, 108, 3, 109, 113, 13, 117, 14, 160, 30, 114, 33, 152, 35, 14-21, 36, 14-21, 37, 221- 228, 38, 322, 39, 87, 92, 40, 164
Collar pruning, ..	..	2, 29, 87, 4, 102
Combredon, ..	..	29, 11, 46

Composition—

aldehydes, ..	..	29, 95, 34, 56, 58, 36, 59, 115, 117, 169
caffeine, ..	..	1, 87, 29, 95, 35, 152, 153, 165, 166, 228, 37, 232, 234
carbohydrates, ..	..	7, 5, 13, 32, 16, 6, 8, 19, 97, 22, 53, 26, 45, 47, 31, 69, 32, 65, 33, 6, 10, 13, 34, 28, 36, 6, 8, 11
chlorophyll, ..	..	1, 32, 22, 63, 29, 98, 33, 148, 150, 34, 16, 19, 37, 75-79, 152, 233
enzymes, ..	..	14, 76, 21, 76, 80, 32, 192-198, 35, 153, 158, 165, 37, 75, 229
polyphenols, ..	..	31, 76, 32, 156-158, 33, 57, 165, 34, 52, 62, 63, 35, 225, 228, 37, 17, 232-235
various compounds, ..	..	32, 191-198, 33, 158, 159, 164, 35, 153, 159 164

Compost,	..	..	7, 116, 160, 8, 11, 79, 123, 151, 9, 13, 64, 107, 113, 10, 8, 93, 11, 194, 12, 19, 35, 14, 49, 54, 108, 22, 104, 29, 164, 30, 28
Condensation,	..	..	9, 11, 49
Conferences—			
Addresses,	..	..	2, 35, 4, 14, 39, 6, 1, 8, 4, 10, 1, 12, 3, 19, 1, 20, 2, 22, 37, 24, 3, 26, 85, 32, 6, 35, 6, 8, 114, 116, 118, 122, 38, 221, 224, 296, 298
Tocklai,	..	..	34, 169-171
UPASI,	..	..	34, 172-178
Cones—			
Keegel,	..	..	29, 102
roller,	..	..	29, 101
Contour planting <i>see</i> Planting			
Contour drains,	..	..	31, 53
Control against Blister Blight,	..	..	19, 10, 11, 34, 38, 20, 78-81, 97-148, 22, 126-132, 23, 76, 77, 24, 72, 27, 3-20, 29, 9-18, 32, 88, 91, 140, 202, 33, 39-42, 35, 118, 36, 64-70, 37, 121-127, 129, 130
Control of pests, biological,	..	..	2, 73, 3, 61, 91, 4, 36, 73, 5, 4, 8, 51, 7, 15, 19, 115, 10, 187, 12, 17, 88, 91, 13, 117, 14, 93, 19, 29-31, 23, 117, 24, 31, 30, 30, 32, 26
Control of pests, chemical,	..	..	17, 28, 22, 14, 79, 23, 84, 85, 24, 32, 27, 14, 28, 73, 29, 115, 31, 19, 172, 32, 23, 171, 33, 5, 69, 34, 127, 35, 189, 37, 200, 38, 269, 1, 21, 47
Copper arsenite,	..	..	1, 21, 47
Copper content,	..	..	20, 106, 107, 22, 54, 58, 81, 23, 17, 31, 76, 77, 78
Copper Sandoz,	..	..	29, 11, 46
Copper in flush,	..	..	31, 77
Cover Crops,	..	..	3, 2, 9, 20, 39, 43, 89, 4, 26, 72, 114, 119, 6, 9, 116, 176, 7, 38, 93, 8, 107, 9, 32, 139, 13, 67-71, 18, 65, 20, 30, 48, 50, 99, 22, 49, 23, 53, 63, 114, 116, 25, 8, 9, 26, 148, 29, 180, 29, 180, 30, 100, 144, 32, 63, 69, 103
Cream of tea,	..	..	37, 131-133
Crescent, battens,	..	..	14, 71, 18, 20, 29, 103
Crop protection—			
dusting,	..	..	19, 78, 21, 27, 29, 32, 44, 22, 15, 118, 126, 23, 12, 76, 24, 97, 25, 10, 13, 27, 10
spraying,	..	..	19, 78, 21, 11, 16, 22, 44, 22, 15, 133, 23, 84, 97, 27, 7, 30, 39, 31, 12, 32, 88, 91, 36, 64, 191, 37, 128, 282, 336, 39, 282, 336
<i>Crotalaria clarkia</i>,	..	..	32, 63, 65, 103, 104
Cultivation—			
effects of, on crops,	..	..	4, 22, 25, 31, 12, 25, 14, 47-60, 30, 20
effects of, on roots,	..	..	11, 7, 12, 26, 14, 47-60, 35, 134, 36, 33, 38, 241
intensive,	..	..	12, 25, 14, 49, 54, 57

Cultural operations,	..	2, 81, 4, 108, 6, 81, 8, 151, 177, 110, 117, 12, 24, 13, 18, 14, 47, 18, 66, 21, 4, 23, 24, 17, 39, 25, 41, 26, 111, 27, 67, 33, 45, 136, 35, 134, 36, 33, 37, 59, 38, 340, 40
Cut-across pruning	..	4, 42, 51, 8, 97, 19, 36, 42, 52, 30, 8
Cutworm,	..	1, 21, 87
Cycle, pruning,	..	30, 26, 123

D

Dadap—

as fuel,	..	9, 173
eelworm disease of,	..	1, 39
general,	..	2, 25, 3, 20, 4, 28, 10, 115, 118, 14, 58, 30, 96, 144, 31, 122, 32, 37, 64, 66, 69, 150, 34, 128, 35, 169, 220
symptoms, disease	..	33, 150
virus on	..	33, 150
weevils on	..	1, 46, 48

Damage, hail,	..	26, 108-110
Damping off,	..	33, 105
DDT,	..	31, 8, 32, 34, 171, 177, 183, 206, 33, 5, 24-32, 69, 82, 83, 34, 1, 42

Dead tea bushes—

removal of,	..	2, 16
Death of plants,	..	18, 101-106
Deep forking,	..	30, 21, 28

Deficiency diseases—

boron	..	23, 86, 32, 65
magnesium	..	25, 84, 30, 157, 33, 148, 34, 148, 149
potash	..	13, 139, 24, 79, 32, 19, 20, 52, 53, 97, 34, 149
starch	..	1, 89, 2, 54, 3, 45, 4, 45, 6, 23, 25, 96, 26, 45, 32, 19, 53, 33, 147, 37, 88
sulphur	..	6, 121
symptoms	..	31, 153
zinc	..	30, 157, 33, 134, 37, 73
Defoliation,	..	4, 106, 5, 148-153, 20, 20, 23, 84, 31, 6, 33, 104, 34, 35, 35, 198, 38, 340, 39, 42, 48
<i>Derris microphylla</i>	..	2, 25
<i>Derris robusta</i>	..	1, 79, 4, 32
Diagnosis of specimens	..	30, 50
Dibbling	..	30, 22, 34, 190
Dieback of tea	..	5, 108, 112, 6, 15, 142, 7, 1, 8, 8, 15, 93, 13, 32, 16, 31, 19, 9, 7, 37, 80, 81, 221, 38, 269
Dieldrex	..	31, 172, 173, 33, 6, 10, 13
Dieldrin	..	29, 115, 31, 19, 24, 32, 23, 31, 32, 35, 171-173, 34, 134, 139, 140, 37, 42, 100, 39, 94, 108
Diplodia disease	..	1, 80, 85, 2, 55, 3, 44, 46, 48, 4, 42, 45, 120, 30, 14
Dipterex	..	33, 198-200

Diseases—

causes various	..	17, 13, 23, 28, 58
clonal cuttings	..	33, 152-155, 35, 196-198
damping off	..	33, 105
deficiency	..	6, 21, 13, 139, 16, 19, 24, 79, 25, 84, 96, 30, 157, 31, 153, 33, 134, 34, 148, 37, 73
Blister Blight	..	18, 90, 19, 9-13, 23-26, 34-41, 20, 78-81, 97-148, 22, 126-132, 23, 76, 77, 27, 3-20, 29, 9-18, 32, 88, 33, 39-42, 35, 118, 36, 64-70, 191, 37, 128, 38, 282, 40, 9
branch dieback	..	5, 108-112, 6, 15, 142, 7, 1, 8, 8, 15, 93, 21, 11, 19, 31, 69, 32, 65, 33, 6, 10, 13, 35, 198, 36, 18, 102
Canker, stem	..	35, 195-199, 36, 14, 37, 221, 38, 322, 39, 87, 92, 40, 164
Collar canker	..	1, 80, 108, 3, 109, 113, 13, 117, 14, 160, 30, 114, 33, 152, 153, 35, 14, 21, 36, 14, 37, 221, 38, 322, 39, 87, 92, 40, 164
Oilspot	..	30, 144, 34, 184-186, 38, 152
<i>Poria</i>	..	2, 16-21, 10, 36-45, 22, 35, 35, 22-31, 118, 36, 86, 144-150
leaf	..	12, 96, 22, 35, 25, 18, 29, 132, 30, 44, 32, 51, 33, 105, 148, 34, 19, 184, 35, 200, 37, 213
root	..	1, 10, 16, 55, 64, 89, 104, 2, 16, 3, 44, 109, 9, 5, 101, 10, 36, 12, 131, 13, 54, 117, 22, 35, 28, 54, 31, 13, 106, 116, 119, 32, 34, 68, 150, 35, 22, 90, 37, 27, 67, 162, 38, 28, 29, 42, 178, 253, 260, 311, 40, 19, 99
virus—		
Phloem necrosis	..	12, 8, 75-86, 110, 13, 35, 36, 16, 11, 17, 13, 17, 19, 62, 29, 180, 34, 17, 20, 85, 38, 152
Direct-fired, heaters	..	18, 41-46
Distance, planting	..	29, 36, 167
Distillation, steam	..	39, 81, 85
Dolomite	..	27, 38, 30, 3, 27, 48, 49, 31, 81, 34, 145
Dormancy, tea shoots	..	40, 31, 84
Drag hoe	..	30, 22
Drainage—		
experiments	..	4, 21, 116
systems	..	3, 7, 8, 11, 48, 114, 8, 30
Drains—		
contour	..	31, 53
type	..	31, 120
Driers—		
costs	..	8, 65, 76
general	..	34, 181
insulation of	..	1, 74
suction	..	5, 69
Drought	..	3, 44, 8, 20, 27, 33, 9, 25, 27, 12, 24, 34, 13, 25, 21, 28, 23, 109, 24, 93, 26, 14, 47, 140, 27, 77, 28, 8, 12, 19, 34, 22, 35, 169, 170, 174, 189, 217

Drum withering	..	..	30, 132, 150-156
Drying of tea	..	..	4, 63, 71, 123, 134, 5, 35-37, 6, 67, 104, 33, 161
<i>Drymaria cordata</i>	..	..	5, 176, 178, 8, 109, 11, 206, 208, 13, 65, 72, 27, 73, 30, 28
Dun	..	..	31, 106
Dupher	..	..	29, 46
Dusting	..	..	22, 11, 12, 23, 12, 76, 24, 97, 27, 10, 29, 61
Dyes for dusting	..	..	22, 12

E

Earthworm	..	..	8, 161
Egg parasites of Tortrix	..	..	4, 36
Electrical drying of tea	..	..	6, 104

Enzymes—

and oxidation	..	..	3, 119, 120, 32, 192, 194, 195, 198, 35, 104
determination	..	..	38, 37, 309

groups—

oxidase	..	..	32, 191, 35, 104, 108, 38, 208
phenol oxidase	..	..	38, 206, 287, 293, 294, 309
phosphatases	..	..	38, 331-334

Epidermis, leaf	..	..	38, 310
Epsom salts	..	..	27, 41, 29, 132, 32, 21, 22, 35, 131, 36, 43
<i>Eriophyidae</i>	..	..	31, 6
Erosion, Soil	..	..	6, 78, 111, 145, 10, 9, 13, 143, 12, 16, 17, 34, 13, 59-72, 85-96, 14, 47, 20, 40, 34, 82, 35, 72, 210, 211, 36, 29, 32, 38, 340, 343, 39, 45
Essential oils	..	..	3, 49-51, 7, 59, 29, 97
Ether	..	..	39, 81
Etiolation	..	..	33, 148, 149

Exobasidium vexans see Blister Blight

Experimentation	1, 36, 60, 2, 65, 129, 3, 40, 6, 59, 7, 15, 83, 8, 146, 17, 18, 22, 15, 27, 60, 103, 29, 15, 115, 36, 141, 37, 47, 64
-----------------	----	----	---

Experiments—

extension	..	..	36, 141, 37, 47-50
field	..	..	4, 21, 140, 7, 46
Extractor	..	..	2, 139
Factory organisation	..	..	6, 40, 9, 199-203, 10, 70, 81, 11, 156
Fairy Rings	..	..	18, 103
False Spider Mite	..	..	31, 5
Fans	..	..	2, 119, 5, 64, 6, 39, 110, 9, 80, 81, 210

Fermentation—

enzymic action	3, 117-118, 11, 108, 12, 58, 59, 184, 13, 15-17, 14, 68, 72, 18, 79, 20, 31, 22, 19, 20, 23, 24, 24, 26, 57, 27, 21, 29, 89, 91, 30, 12, 88, 33, 64-66, 184, 35, 98, 230, 36, 103
----------------	----	----	---

in relation to—

colour	..	..	29, 89, 31, 76, 80, 33, 65, 161, 181
products of	..	..	36, 61, 32, 190, 193, 198
quality	..	..	33, 65, 85, 34, 63, 36, 176, 177, 180
strength	..	..	33, 65, 181, 34, 63
temperature	..	..	4, 5, 8, 195, 12, 58, 59, 13, 14-17, 14, 65, 85, 26, 96-98, 100-102, 33, 65, 161
Ferns	..	..	31, 22, 55

Fertilizers—

Applications, frequency of	..	..	30, 25, 36, 43, 45, 46, 37, 51, 63, 95, 38, 125
General	..	..	1, 97, 5, 141, 12, 140, 166, 13, 2, 18, 73, 40, 153
inorganic	..	..	29, 7, 34, 134, 144, 179

in relation to—

yield	..	..	30, 37, 34, 107-109, 147, 36, 45
mature tea	..	..	34, 107-110, 144-147, 170, 36, 45, 40, 129, 135
young tea	..	..	34, 188-192, 36, 43, 137, 40, 153
Firewood	..	..	8, 101, 104, 9, 20, 21, 163, 173
Firing	..	..	12, 59, 71, 173-178, 13, 7, 73-76, 156-161, 14, 70, 73, 122, 15, 5, 12, 14, 20, 30, 22, 24, 24, 24, 85, 29, 92, 30, 12, 33, 66, 177, 184
Flavonals	..	..	36, 103, 105, 176
Flue gas	..	..	8, 47, 8, 120
Flavour development	..	..	38, 208, 209

Flush—

Carbohydrates in	..	..	36, 6, 11, 12
Carotenoids in	..	..	36, 115-117
Development	..	..	28, 3, 21, 30, 31, 40, 35, 107, 108, 222
Oxidants in	..	..	38, 36-39
Flushworm	..	..	34, 176
Food & Drug Regulations	..	..	14, 76, 110-113

Food Production—

on estates	..	..	15, 21, 24, 16, 29, 17, 22
Food reserves in tea	..	..	2, 54-64, 7, 5

Foliar—

analysis	..	..	36, 122
nutrition	..	..	35, 59, 60, 131
spraying	..	..	30, 163, 36, 66, 68, 85, 112-114, 37, 73, 74
Forecasting, Blister Blight,	..	..	31, 56, 33, 34
Foreign matter in tea	..	..	8, 112
Forking	..	..	12, 24, 36, 14, 50, 16, 44, 20, 22, 21, 11, 28, 23, 112, 24, 19, 20, 27, 67-69, 30, 21, 28, 31, 114, 32, 84, 130, 35, 23, 27, 134, 38, 36-39
Freezing of tea leaf	..	..	18, 73
Fringe pruning	..	..	19, 36, 40, 55, 21, 41

Fringed Nettle Grub	..	31, 156
Frost resistance	..	30, 15
Fuels	..	8, 101, 147, 9, 55, 110, 111, 177, 13, 6, 14, 113
Fumigation—		
nurseries	..	31, 54, 119, 32, 43
soil	..	24, 37, 25, 41, 31, 54, 117, 119, 32, 130, 43, 150, 151, 154, 36, 144-149, 37, 70, 162, 38, 311-319, 40, 99
Fungi	..	1, 107-109, 4, 4, 8, 134, 9, 5-12
Fungus, ambrosia	..	13, 31, 17, 133, 18, 114, 115, 19, 96, 30, 4, 50, 34, 39, 40, 128, 37, 40, 102, 39, 94
Fungicides—		
application	..	20, 79, 106, 22, 54, 58, 60, 79-85, 133, 23, 17, 84, 29, 10, 15, 46, 31, 12, 170, 36, 64, 65, 38, 338
copper formulations	..	20, 106, 107, 22, 54, 56, 58, 81, 23, 17, 31, 8, 78, 170, 36, 64, 112, 113
mites favoured by	..	31, 8, 36, 68
nickel chloride	..	36, 64, 66, 69
residues and taint	..	19, 80, 31, 12, 62, 36, 64
toxicity	..	30, 73, 36, 64
Furnaces	..	8, 44, 47, 9, 164, 177, 204
G		
Galls—		
on roots,	..	1, 41, 10, 184
on tea leaves,	..	1, 47, 10, 186
Gautemala Grass,	..	23, 113, 26, 50, 27, 45, 63, 28, 54, 29, 252, 30, 36, 70, 100, 117, 147, 31, 13, 17, 106, 110, 113, 117, 32, 82, 143, 144, 33, 44, 139-141, 167, 207, 34, 16-18, 35, 29, 36, 14, 37, 69
Germination, seed,	..	5, 66, 19, 92, 94 23, 32, 33, 110, 26, 93-95, 28, 55, 29, 30
Gotukola,	..	26, 148, 149, 35, 217
Grading tea,	..	6, 65, 10, 191, 11, 146, 157, 12, 179-183, 13, 82-85, 20, 30, 22, 24, 29, 93, 35, 237, 36, 155
Green Bug,	..	31, 6
Green Flies,	..	30, 70
Green manures & manuring—		
carbon content of,	..	8, 153, 32, 16
cultivation, effects of,	..	3, 64, 7, 93, 9, 59, 12, 19, 22, 10, 20, 23, 23, 110, 111, 32, 17, 65, 33, 167
decomposition,	..	5, 20, 30, 83, 9, 59, 15, 30, 31, 32, 16-19, 85
organic matter in,	..	15, 29-31, 19, 77, 22, 48, 98, 31, 101, 32, 16-25, 63-67
pests & diseases of,	..	1, 77, 2, 22, 105, 10, 156, 183, 23, 84, 85, 25, 19
soil nutrients,	..	12, 19, 20, 13, 19, 14, 92, 108, 15, 31, 19, 61, 22, 48, 31, 101, 104, 40, 153

Green tea—manufacture,	..	38, 203
<i>Grevellia</i> —		
<i>maculata</i> ,	..	4, 28, 29, 33, 114, 8, 26, 36, 103, 9, 173, 25, 19, 30, 101, 33, 85
<i>molucanna</i> ,	..	13, 38, 32, 30, 33, 88, 93
<i>robusta</i> ,	..	4, 28, 29, 33, 114, 8, 26, 36, 103, 9, 173, 22, 99, 25, 19, 29, 63, 129, 30, 80, 101, 31, 5, 10, 121, 32, 63, 69, 71, 116, 186-187, 33, 88, 93, 94, 37, 59
Grey Blight,	..	1, 80, 32, 51, 33, 106, 35, 200, 202
Gritty leaf definition,	..	7, 131
Ground cover,	..	5, 28, 7, 93, 10, 110, 22, 97, 23, 73, 32, 69, 169 33, 167
Groundnut cake,	..	14, 2, 3, 16, 18, 20
Growth—		
phases,	..	5, 25, 22, 78
roots,	..	18, 82
shoots,	..	7, 142, 14, 147, 18, 101, 22, 78, 28, 3, 8, 21, 30, 35, 74-83, 38, 128, 40, 31, 84
substances,	..	8, 131, 14, 104
Grubbing,	..	35, 23, 36, 14
Grubs,	..	2, 75, 4, 10, 38, 153, 154

H

Hailstorm,	..	26, 108-110
Hand collection—		
Nettlegrubs,	..	5, 47
Tortrix, eggmasses,	..	6, 164, 167
Handling, leaf,	..	2, 136
Hardboard, rubberwood,	..	37, 200
Hardplucking,	..	15, 32, 19, 105, 20, 29, 28, 11, 31, 30, 82, 32, 29
Harvesting, mechanical,	..	22, 34, 133, 24, 22, 57, 98, 25, 3, 30, 8, 78
Heaters, direct fired,	..	8, 47, 18, 41
Hedges,	..	9, 32, 34, 20, 41
Herbicides,	..	36, 22, 87, 39, 11-18
Hesford winch,	..	37, 57
High-grown tea,	..	27, 21, 29, 89

High yielding material—

clones,	..	29, 160
---------	----	---------

Homona coffearia Nieth see Tea Tortrix

Hormones—

effect on rooting,	..	21, 7
Horse-hair Blight,	..	37, 213

Host plants—

of Lygus Bug,	..	4, 37, 30, 111
nettlegrubs,	..	4, 84
weevils,	..	1, 46

Humidifications—

conditions, ..	..	2, 71, 83, 98, 3, 59, 80, 4, 60, 7, 136, 9, 59
Humidity, ..	..	2, 91, 115, 3, 76, 4, 59, 131, 8, 172, 10, 164
Humus, ..	..	4, 24, 113, 10, 97, 100, 30, 28, 38, 348
Hybrids, tea, ..	..	37, 154
Hydrogen ion, concentration, ..	..	1, 3
Hygiene, factory, ..	..	5, 62, 6, 41, 8, 197, 10, 55
Hygrometers, ..	..	2, 93, 115
Hygroscopicity, tea, ..	..	8, 172

I

Ichneumon Wasp, ..	..	2, 74
Illuk, ..	..	21, 45

Immunity from—

disease, ..	..	29, 74, 87
<i>Indigofera endecaphylla</i>, ..	..	3, 18, 4, 27, 6, 178, 8, 110, 10, 208, 13, 69, 32, 63, 65
Indore compounds, ..	..	7, 116, 158, 160

Infections—

levels, ..	..	29, 13, 5
in plants, ..	..	22, 62, 66, 67, 23, 70-72
Infillings, ..	..	30, 73
Infra-red moisture tester ..	..	30, 46-47
Infusion, of leaf, ..	..	7, 132, 8, 184, 10, 125, 25, 3, 4

Insect Pests *see* Pests of tea, Insects

Insects, despatch of,	1, 17
--------------------------	----	-------

L

Land gradient—

measurement, ..	..	34, 14
Leaching, ..	..	36, 30
Leafhoppers, ..	..	34, 17, 35, 85, 87

Leaf—

areas, measurement, ..	..	36, 48
deformation, ..	..	34, 19
diseases, ..	..	12, 96, 22, 35, 25, 18, 29, 132, 30, 144, 32, 51, 33, 105, 148, 34, 19, 184, 35, 200, 37, 213
fall, ..	..	31, 101, 32, 51, 35, 200, 37, 213
Leaf Spot Disease, ..	..	33, 105, 34, 19, 184
Leaves, yellowing of, ..	..	29, 132, 32, 51, 33, 148, 34, 19, 35, 200, 37, 213
Legumes, nodules, ..	..	5, 17

Leguminous plants *see* Green manures and manuring

Light, intensity, ..	..	32, 118, 120, 33, 147, 35, 79
Lime wash, ..	..	2, 19, 63, 11, 27, 22, 36, 24, 94

Liming material,	8, 175, 176, 10, 65, 127, 11, 158
Liquid fuel,	9, 114-121
Liquors—	
characteristics,	3, 51, 6, 65, 7, 130, 8, 185, 10, 123, 126 11, 107, 24, 83, 84, 88, 29, 99
factors affecting—	
colour,	11, 107, 109, 37, 75, 118, 38, 309, 310
quality,	6, 65, 22, 112, 29, 5, 56, 87, 178, 36, 59, 115, 172, 37, 119, 38, 239, 287, 309, 39, 81
Local woods—	
for chests,	14, 90, 113, 37, 208
Lofts,	6, 110, 9, 204
Longhorn beetle,	1, 115
Looper caterpillar,	37, 101-113, 38, 154, 39, 71, 40, 71
Loppings,	12, 36, 23, 84, 113, 31, 101, 103, 122, 32, 65, 74, 132, 33, 150 34, 170, 35, 64
Low Country,	23, 60, 24, 39, 25, 57, 96, 26, 150, 27, 107, 32, 51, 133, 33, 105, 35, 61, 196, 36, 33, 41, 37, 213, 38, 186, 241, 40, 53
Low shade,	23, 84
Lung pruning,	4, 50, 5, 109-111, 6, 11, 7, 7, 81, 33, 166, 209, 34, 114, 201, 36, 88, 90, 96, 101, 37, 81
Lygus Bug,	4, 37, 25, 18, 19, 32, 205
M	
Machinery, factory,	2, 116, 3, 85, 4, 88, 5, 27, 11, 154, 13, 78, 18, 41, 33, 77, 179, 35, 96, 230, 235, 36, 72, 82, 151, 37, 114
Made tea,	2, 109, 5, 33, 8, 122, 9, 43, 11, 103, 14, 92, 21, 33, 22, 14, 23, 2, 26, 134, 29, 99, 30, 86, 131, 33, 183, 32, 196, 35, 11, 36, 112, 37, 75, 131, 229
Magnesium deficiency,	30, 157, 31, 99, 38, 344, 346
Maintenance leaf fall,	32, 51, 34, 19, 35, 200, 37, 213
Management—	
bush,	2, 81, 4, 108, 6, 81, 14, 47, 21, 4, 24, 17, 39, 26, 111, 33, 136
nurseries,	1, 19, 11, 8, 14, 28, 23, 84, 32, 42, 152, 216, 36, 43, 137, 39, 45
Manufacture—	
drier,	1, 74, 5, 69, 8, 65, 9, 48, 110, 11, 89, 13, 73, 78, 14, 40 18, 41, 25, 21
in relation to	
enzyme activity,	33, 57, 36, 61, 105, 112, 117
fermentation,	3, 27, 49, 76, 116, 4, 2, 8, 192, 12, 58, 13, 13 26, 96

firing,	..	..	5, 35, 8, 43, 9, 55, 12, 159, 171, 13, 156, 15 5, 15, 20, 30, 33, 24, 24, 24, 85, 29, 92, 30 12, 33, 66, 177, 184
grading,	..	..	5, 38, 9, 123, 10, 191, 230, 12, 179, 13, 82 21, 5, 27, 42, 29, 93, 35, 237, 36, 155
packing,	..	..	8, 171, 10, 126, 11, 159, 13, 2, 11, 14, 113 37, 208
rolling,	..	..	4, 88, 5, 27, 11, 118, 131, 18, 19, 25, 66, 26 91, 29, 101, 33, 160, 177, 180, 35, 96, 184 230, 235, 36, 72, 151
Rotorvane,	..	..	35, 96, 230, 235, 36, 72, 82, 151, 37, 114
temperature,	..	..	5, 35, 8, 43, 9, 55, 12, 159, 171, 15, 5
withering,	..	..	1, 71, 93, 7, 118, 9, 80, 22, 18, 24, 25, 87, 30 150, 155, 31, 180, 34, 42, 35, 146, 171, 37 163
Marigold,	..	..	31, 131, 32, 139, 140, 35, 90, 91
Marketing tea,			
in Africa,	..	..	38, 19-21
Meadow nematode,	..	..	12, 131, 13, 37, 19, 61, 28, 54, 30, 30, 96, 31 13, 116, 121, 32, 104, 130, 131, 34, 68, 119 35, 90, 38, 29, 38, 42, 178, 260
Mealy bug,	..	..	32, 49
Mechanization,	..	..	1, 71, 21, 38, 22, 34, 24, 48, 57, 98, 122, 26 11
Mesh, nylon,	..	..	33, 179
Methyl bromide,	..	..	36, 144-149, 37, 162
Mid Country,	..	..	37, 165, 38, 190
Minor elements			
in tea leaves,	..	..	36, 144-149
Mistblowers,	..	..	31, 167, 32, 201, 35, 191, 193, 37, 125, 126
Miscellaneous articles,	..	..	32, 11, 222, 33, 57, 34, 7, 35, 16, 132, 36, 83 85, 37, 59, 63, 65, 85, 38, 105, 112, 210
Mites—			
control,	..	..	9, 144, 25, 20, 28, 47, 29, 60, 125, 129, 31, 8 33, 189-193, 34, 176, 38, 269-171, 39, 3
population, factors affecting,			9, 144, 25, 20, 28, 47, 29, 60, 31, 5, 121, 36 68, 38, 270
resistance to,	..	..	31, 7, 8, 38, 271
Miticides see Acaricides			
Mosquito Blight	—	—	3, 21, 23, 4, 75, 11, 50
Mother Bushes,	..	..	32, 145
Moisture—			
in relation to manufacture,			1, 24, 5, 54, 25, 93, 30, 46
Mycorrhiza,	..	..	11, 196, 24, 26

N

Natural control—

Nettlegrub,	..	..	31, 156
tortrix,	..	..	6, 154, 10, 110, 188, 32, 33, 36
Necrosis, of leaf,	..	..	30, 157

Nematodes—

control,	..	..	12, 54, 131-138, 18, 5-7, 19, 101-105, 22, 29, 35, 106, 24, 36-37, 31, 13, 109, 35, 90-95, 40, 111
general,	..	..	1, 19, 39, 12, 131, 13, 37, 19, 61, 24, 34, 26, 27, 112, 30, 30, 96, 143, 31, 13, 116, 119, 32, 129, 33, 138, 34, 34, 68, 119, 150, 35, 90, 37, 27, 67, 162, 38, 22, 29, 42, 148, 260, 39, 4, 40, 115
host, resistance to,	..	..	13, 37, 19, 102, 24, 37, 38, 31, 14, 15, 33, 138
populations,	..	..	12, 136, 137, 13, 37, 18, 10, 11, 22, 29, 30, 24, 34, 35, 31, 16, 33, 138
Nettlegrubs,	..	..	1, 88, 115, 4, 74, 5, 4, 47, 5, 2, 4, 70, 80, 7, 52, 9, 67, 19, 56, 31, 156, 38, 153
Nickel chloride,	..	..	36, 64-69, 37, 122, 125, 130, 38, 145, 39, 112

Nitrogen—

in relation to manures,	..	..	2, 123, 3, 126, 6, 93, 12, 143, 20, 20, 32, 122, 33, 132, 38, 243
Nose of dry leaf, definition,	..	..	8, 186

Nurseries—

management,	..	..	1, 19, 11, 8, 14, 28, 23, 84, 32, 42
manuring,	..	..	32, 152, 216, 220, 34, 188, 36, 43, 137, 37, 63
seedling,	..	..	3, 71, 107, 4, 98, 6, 118, 13, 54, 17, 20

Nursery plants—

transplanting,	..	..	11, 8, 14, 98, 21, 81, 31, 53, 54, 35, 85, 38, 189
seedlings,	..	..	3, 71, 107, 6, 118, 13, 54, 17, 20
selection,	..	..	11, 8, 57, 167, 13, 38, 14, 98, 102, 29, 76, 178, 216

Nylon tats,	32, 96
-------------	----	----	--------

O

Odour,	..	..	36, 173
Oil burners,	..	..	9, 177, 186, 192
Oil, fuel	..	..	9, 17, 113
Oils, essential	..	..	29, 97
Oilspot disease,	..	..	30, 44, 38, 152
Oolong tea	..	..	2, 110
Open infusion, definition	..	..	8, 184
Overfiring, tea,	..	..	9, 164
Organic matter,	..	..	31, 13, 49, 102, 106, 165
Organisation, field	..	..	22, 86
Oxalis	..	..	16, 42
Oxidation products	..	..	3, 124, 125, 32, 193-198

Oxygen—

requirements by crushed leaf 3, 27

P

Packing materials, 8, 171, 10, 126, 11, 159, 13, 11, 14, 114, 37, 208

Paraquat, 38, 18-18

Parasites—

of nettlegrubs, 4, 85, 5, 52, 31, 156
tortrix, 6, 160, 10, 110, 188, 32, 33, 36
Paris green, 2, 106, 5, 49, 53, 10, 202, 203
Passara, station, 8, 169

Pests of tea, Insects,

bugs, 1, 104, 2, 24, 3, 25, 25, 18, 67, 30, 108
caterpillars, 37, 106, 200
Helopeltis, 3, 21, 14, 106
mites, 9, 144, 25, 20, 26, 127, 28, 47, 29, 60, 125, 129, 31, 5, 33, 189, 38, 269
Nettlegrubs, 4, 74, 5, 4, 47, 19, 56, 31, 156
Shot-hole Borer, 13, 28, 97, 111, 14, 5, 132, 15, 31, 16, 6, 30, 17, 2, 18, 46, 49, 74, 114, 19, 58, 20, 66, 22, 35, 27, 83, 97, 103, 107, 112, 120, 123, 29, 104, 112, 115, 30, 150, 31, 19, 72, 172, 32, 23, 171, 185, 33, 69, 34, 38, 127, 35, 32, 41, 189, 37, 28, 56, 100, 185, 38, 275, 39, 6, 61, 94, 115, 40, 47
termites, 10, 160, 26, 29, 33, 88
Tortrix, 1, 23, 3, 61, 6, 153, 7, 146, 9, 38, 10, 46, 187, 12, 86, 14, 93, 19, 57, 27, 28, 32, 26, 33, 196, 39, 50
worms, 4, 100, 5, 136
weevils, 1, 45

Pest, control—

biological, 2, 73, 7, 15, 115, 10, 187, 13, 117, 14, 93, 23, 117, 30, 30, 32, 26, 37, 69, 34, 85
chemical, 17, 28, 22, 14, 79, 23, 84, 85, 24, 32, 27, 14, 28, 73, 29, 115, 31, 19, 172, 32, 123, 171, 33, 5, 69, 34, 127, 189, 37, 56, 100, 200, 38, 269, 29, 97, 30, 69, 86
Pectic substances, 11, 130, 12, 8, 75, 13, 35, 36, 16, 11, 17, 13, 17, 19, 62, 29, 180, 34, 17, 20, 85, 38, 152
Phloem necrosis, 22, 76, 77, 32, 123, 145, 33, 146, 37, 11, 140
Photosynthesis, 1, 27, 67, 4, 103, 5, 22, 25, 148, 19, 64, 22, 73, 27, 111, 35, 74, 217, 222, 36, 6, 48, 88, 37, 11, 86, 140, 38, 182, 249, 40, 31, 84
Physiology, bush,

Planting—

general,	10, 148, 11, 30, 54, 98, 160, 12, 38, 19, 101, 24, 21, 43, 26, 7, 24, 26, 29, 77, 150, 29, 145, 160, 194, 29, 175, 180, 216, 242, 247, 30, 117, 33, 44, 167, 202, 35, 176, 37, 61
in relation to, bringing into bearing,	6, 81, 21, 4, 24, 17, 39, 33, 66, 36, 33
density,	32, 156, 33, 207, 208

Plucking—

hard,	19, 105, 22, 9, 31, 30, 82, 32, 29
mechanical,	21, 38, 22, 34, 37, 237
rounds,	22, 51, 28, 3, 29, 22, 87, 31, 56, 57, 172, 34, 116
standards,	20, 85, 33, 21, 134, 155, 35, 102, 38, 289
zonal,	29, 36
Poison baits, snail,	11, 51
Polyphenols,	11, 106-108, 31, 72, 32, 191, 35, 108, 150, 151, 36, 59-62, 167-169, 27, 232, 40, 93
Pollarding,	33, 104
Poria,	2, 16, 3, 44, 10, 36, 22, 35, 31, 106, 33, 140, 35, 22, 36, 137, 144, 38, 311, 353
Potash deficiency,	13, 139, 16, 19, 24, 79, 32, 19, 20, 52, 97, 34, 29, 35, 59, 64, 36, 45
Potato cultivation,	39, 4

Propagation, Vegetative see Vegetative Propagation

Protection, against,

Blister Blight,	19, 78, 21, 16, 22, 28, 41, 22, 55, 66, 73, 79, 86, 90, 118, 23, 12, 24, 97, 29, 9, 30, 39, 31, 56, 32, 88, 91, 33, 36, 191, 37, 121, 128, 38, 282, 336
nematodes,	12, 54, 131, 18, 5, 19, 101, 22, 29, 35, 106, 24, 36, 31, 13, 109, 35, 90
Shot-hole Borer,	13, 111, 14, 132, 16, 30, 17, 2, 18, 114, 19, 58, 27, 103, 107, 112, 120, 29, 104, 29, 115, 31, 19, 172, 32, 23, 171, 35, 5, 32, 189, 37, 28, 56, 100, 185, 39, 94, 115
Tortrix,	1, 23, 3, 61, 153, 7, 146, 9, 38, 10, 46, 187, 12, 54, 86, 14, 93, 19, 57, 27, 28, 32, 26, 33, 196, 39, 50

Protection, crop—

dusting,	19, 78, 21, 27, 29, 32, 44, 22, 15, 118, 126, 23, 12, 76, 24, 97, 25, 10, 13, 27, 10, 29, 45
spraying :	19, 78, 21, 11, 16, 22, 44, 22, 15, 133, 23, 12, 84, 24, 97, 27, 7, 30, 39, 31, 12, 32, 88, 91, 36, 64, 191, 37, 128, 38, 282, 336

Pruning, tea,	2, 10, 4, 40, 101, 6, 11, 7, 14, 75, 99, 146, 9, 25, 10, 21, 177, 16, 21, 39, 18, 55, 112, 21, 11, 25, 96, 29, 129, 30, 123, 32, 100, 156, 157, 34, 197, 198, 201, 204, 35, 174, 204, 36, 190, 37, 80, 95
---------------------	---

Q

- Quality of tea, 21, 33, 22, 112, 29, 5, 56, 87, 175, 178, 33, 156, 162, 34, 60, 65, 35, 225, 226, 36, 59, 115, 172, 37, 119, 38, 289, 39, 81-86

R

- Radioactive carbon, 37, 12, 15, 152
 Radioisotopes, 37, 152
 Rainfall, 8, 33, 35, 10, 49, 32, 95, 34, 29, 31, 78, 79
 Rasping liquor, definition .. 8, 185
 Ratio CO₂/O₂ during manufacture 3, 28
 Raw liquor, definition .. 7, 133, 8, 185
 Records, factory 6, 37, 9, 211-214, 10, 82

Recovery from—

- drought 8, 34, 39
 pruning, 8, 23, 34, 36, 40, 9, 25-29, 34, 202, 204, 37, 81, 83
 Red borer, 1, 22

Red Root disease *see* *Poria*

- Red rust, 32, 51, 37, 219
 Red Spider Mite, 1, 81, 2, 74, 9, 146, 31, 5, 6, 68, 32, 32, 189, 191, 196, 38, 310
 Reddening, of leaf, 4, 56
 Refuse, tea 9, 65
 Regeneration, of tea .. 10, 148, 11, 98
 Regulations, food & drugs .. 14, 76-110
 Rehabilitation, soil .. 22, 136, 27, 45, 28, 54, 29, 180, 30, 117, 33, 138, 145, 167, 206, 207, 34, 16, 44, 190, 35, 217, 37, 67, 70, 38, 252, 39, 4, 5
 Relative humidity, 2, 92, 117, 118, 3, 76, 77, 8, 172
 Repellants, insect 37, 104
 Replanting, 11, 30-38, 54-68, 98-102, 17, 25, 22, 10, 24, 21, 26, 24, 29, 77, 150, 27, 60, 29, 145, 160, 164, 166, 170, 175, 216, 247, 32, 45, 133, 33, 44, 35, 217, 37, 67
 Replication, 36, 143

Research on, tea Chemistry

- Ringbarking, 13, 117, 27, 134, 33, 146, 151, 152, 36, 90, 38, 249
 Resistance, disease, 8, 138, 31, 13, 38, 43, 39, 91
 Resting of tea 6, 81, 21, 4, 22, 10, 24, 17, 39, 33, 66, 34, 138, 145, 35, 57, 36, 33
 Reverse slope drains, .. 3, 73, 144
 Reversible withering, .. 2, 41-43
 Review of work, TRI, .. 35, 16, 36, 85, 38, 65, 210
 Rich liquids, definition, .. 7, 133
 Rollbreaking, .. 3, 52, 80, 10, 73, 74, 77, 29, 91
 Roller, battens, .. 10, 60, 11, 136

Rolling,	3, 32, 83, 4, 88, 5, 27, 6, 39, 8, 197, 200, 9, 205, 10, 60-61, 70-84, 11, 131, 144, 153, 12, 147, 18, 19, 25, 66, 26, 96, 29, 90 33, 160, 177, 180, 35, 96-98, 184, 230, 235, 36, 72, 151
Rooms, fermenting, ..	3, 79

Root-knot nematodes, *see* Nematodes

Rooting medium,	14, 103
-----------------------	---------

Roots—

carbohydrates, in, ..	36, 11, 88, 101, 34, 249, 250
distribution, soil, ..	12, 26, 35, 14, 53, 31, 98, 33, 45, 138, 35, 218, 37, 159, 39, 45-48
disease of,	1, 10, 16, 55, 64, 89, 104, 2, 16, 3, 44, 109, 9, 5, 101, 10, 36, 12, 131, 13, 54, 117, 22, 25, 28, 54, 29, 180, 31, 13, 106, 116, 119, 32, 129, 33, 138, 141, 34, 34, 68, 150, 171, 35, 29, 90, 118, 36, 137, 37, 27, 67, 162, 38, 29, 42, 178, 253, 311
Rotary burners,	9, 115
Rotorvane,	33, 180, 181, 35, 230-237, 36, 152-160, 37, 114, 38, 291

S

Salicyclic acid, isolation, ..	3, 49
Samples, tea,	5, 33, 9, 159, 31, 116, 34, 34
Sampling,	1, 17, 5, 33, 11, 138, 25, 17, 30, 50, 31, 116, 34, 34, 35, 132, 37, 27
Sandy leaf, definition, ..	7, 131
Sanitation, bush,	6, 23
Saprohytes,	8, 136, 10, 98
Saturated, air	2, 91
Scale insects,	2, 74, 32, 49
Scarlet Mite,	1, 20, 77, 9, 145, 150, 28, 47, 29, 60, 125, 129, 31, 5, 6, 33, 189-191, 196, 34, 77
Scoops, aluminium,	11, 157
Scorch,	12, 34, 35, 13, 39, 22, 136, 23, 85, 24, 80, 26, 37, 31, 154, 32, 83, 180, 33, 135, 180, 34, 186, 198, 35, 175, 205

Screens—

artificial,	38, 251
bamboo,	32, 114
Scaling, chest lining, ..	10, 128

Seeds—

tea,	4, 98, 5, 66, 113, 6, 118
germination & storage, ..	19, 92, 94, 23, 32, 33, 110, 26, 93-95, 28, 55, 29, 30
Seedbearers, tea—	4, 98, 5, 66, 113, 9, 58, 11, 11, 58, 162, 164, 12, 40, 15, 23, 25, 75, 26, 93, 28, 55, 29, 30, 30, 75

Seedbearers,	4, 98, 5, 66, 113, 12, 40, 17, 21, 19, 68, 22, 110, 23, 81, 25, 75, 76, 26, 72-75, 121, 27, 27, 29, 182
Seedlings, tea,	3, 71, 107, 6, 118, 13, 54, 17, 20, 107
Selection work (tea)	8, 86, 10, 10, 108, 149, 11, 54-68, 12, 38 13, 40-43, 14, 98, 16, 45, 18, 59, 60, 91, 29, 76, 178, 35, 92, 93, 114, 37, 154
Selective breeding,	29, 162
Shade—	
effects of,	7, 93, 98, 12, 22, 34, 13, 117-123, 16, 45, 20, 109, 21, 35, 22, 17, 23, 60, 64, 24, 90-91, 25, 80-83, 26, 15, 31, 38, 40, 35, 129, 198, 205, 217
trees—	
disease of	13, 117, 120, 123, 137, 21, 35, 24, 90
species & management	7, 93, 8, 31, 41, 9, 3, 10, 110, 13, 137, 22, 98, 100, 23, 70-72, 75, 24, 90, 91, 93, 25, 81, 29, 63, 168, 35, 128, 129, 169
Shelly leaf, definition,	7, 131
Shot-hole Borer	13, 28, 97, 111, 14, 5, 132, 15, 31, 16, 6, 30, 17, 2, 18, 46, 49, 74, 114, 19, 58, 20, 66, 27, 83, 97, 103, 107, 112, 114, 120, 123, 29, 104, 112, 115, 30, 150, 31, 19, 72, 172, 32, 23, 171, 185, 35, 5, 33, 69, 34, 127, 35, 32, 41, 189, 37, 28, 56, 100, 185, 38, 275, 39, 6, 61, 94, 115
Shotty leaf,	7, 131
Side pruning,	29, 38
Sieves,	10, 192, 193
Sifters,	10, 192, 11, 157
Sifting,	1, 25, 8, 192, 24, 85
Silica gel, drier	2, 47, 5, 62, 9, 94, 11, 94, 21, 47
Skene's wax,	1, 85, 112, 2, 15, 30, 8
Skiffing,	19, 42, 52, 30, 22
Small holding, tea	5, 87-107, 6, 127-129, 7, 150, 8, 124, 9, 194, 195, 10, 193-198, 13, 124, 153, 15, 15, 22, 14, 16, 23, 18
Smoky leaf, definition,	7, 133
Smooth leaf, definition,	8, 185
Smooth liquor, definition	7, 133
Snails,	11, 51
Soap sprays,	6, 132
Soft liquors,	7, 133, 8, 186
Soils—	
acidity,	1, 2, 31, 2, 2, 100, 26, 112, 27, 70
conservation,	3, 17, 4, 11, 113-116, 6, 78-70, 9, 73-79, 133-144, 11, 41, 13, 85, 28, 50
erosion,	3, 4, 11, 73, 114, 4, 26, 113, 5, 45, 6, 78, 111, 145, 9, 31, 73, 10, 175, 209, 223, 11, 199, 12, 16, 20, 34, 13, 64-67, 85-96, 14, 47, 49, 20, 40

fertility,	18, 15, 21, 45, 22, 45, 97, 24, 117, 25, 41, 31, 161, 136, 32, 16, 140
general,	2, 96, 4, 22, 5, 141, 8, 27, 12, 16, 15, 28, 25, 41, 26, 31, 30, 19, 117, 31, 165, 33, 45, 38, 340, 39, 42
rehabilitation of, ..	10, 148, 11, 30, 54, 98, 160, 24, 21, 43, 26, 7, 24, 29, 77, 150, 29, 145, 160, 164, 166, 29, 180, 216, 247, 30, 117, 33, 167, 206, 34, 44, 37, 67, 38, 252, 39, 4, 5, 40, 153
Sour leaf, definition, ..	8, 136
Spacing,	8, 103, 17, 26, 24, 93, 29, 40, 30, 74, 76
Spark arrestors, cleaning, ..	8, 44
Spongy leaf, definition, ..	8, 131
Specimens for report, ..	1, 117, 5, 33, 25, 17, 30, 50, 31, 116, 34, 34, 37, 27, 35, 132
Spikiness disease,	34, 16, 17
Spraying—	
appliances	9, 67, 19, 79, 91, 93, 20, 79, 80, 22, 14, 133, 23, 86, 24, 95, 97, 25, 15, 62, 69, 31, 169, 175, 32, 201, 33, 31, 189, 192, 34, 140, 142
relation to	
crop protection	19, 78, 21, 11, 16, 122, 22, 15, 133, 23, 12, 84, 24, 97, 27, 7, 30, 39, 31, 112, 32, 88, 91, 36, 64, 191, 37, 128, 38, 282, 336
Stalk extractors,	22, 37, 27, 42-44, 33, 169
Stalky leaf definition, ..	8, 184
Starch—	
deficiency,	1, 89-93, 2, 54-64, 3, 45, 4, 45, 6, 23, 25, 96, 26, 45, 32, 19, 53, 33, 147, 37, 88
in relation to—	
pruning,	1, 92, 112, 2, 57, 60, 4, 105, 6, 11, 16, 105, 7, 4, 33, 147, 35, 208
Stripping, bushes,	8, 24, 36, 9, 201, 10, 77, 11, 137
Sub Station, TRI	8, 168, 9, 1, 88, 94, 21, 48, 34, 89, 36, 41, 37, 165, 38, 190, 193
Sulphur deficiency,	3, 48, 6, 121-127, 16, 19, 30, 157
Sunshine records,	28, 8, 30, 4, 39, 31, 56, 32, 88-92, 204
Sweaty leaf, definition, ..	7, 133, 8, 187
Sweet liquor,	8, 186
Symposia,	20, 97, 100, 146, 27, 83, 29, 143, 145
T	
Taints,	8, 187, 9, 164
Tannic acid,	11, 104
Tannins,	3, 57, 3, 124-125, 4, 4, 124, 8, 187, 11, 104, 107, 108
Tar, coal,	2, 15
Tasters, differences	7, 129, 133, 174, 8, 183, 9, 139

Tasting,	3, 123, 4, 6, 7, 5, 34, 7, 129, 8, 183, 187, 10, 58, 11, 133, 24, 85, 29, 175, 33, 159
Tats,	10, 77, 22, 19, 20, 32, 96, 33, 177, 178, 35, 171, 172, 37, 163
Tatty liquor, definition,	8, 133
Tea <i>Aphis</i> ,	2, 74, 38, 154
Tea Cider,	5, 80, 126, 6, 48-53, 32, 222, 38, 37-41
Tea Seedling, see Seedlings, tea	
Tea Supplies	9, 68, 11, 160, 19, 92, 101
Tea Tortrix,	1, 115, 2, 32, 33, 3, 134, 5, 70, 10, 40, 151, 188, 12, 54, 14, 93, 19, 57, 27, 28, 32, 26, 33, 196, 39, 50
Termites,	10, 160-166, 33, 88-102, 38, 154
Terpenes in black tea	37, 135-137
Terracing,	12, 16, 18, 68, 38, 343
Thatching	12, 22, 22, 49, 24, 20, 29, 180, 31, 115, 33, 139, 38, 343
Thermal efficiency	8, 150, 9, 175
Thermometers,	2, 93, 95, 5, 64, 10, 130-133
Thick liquor, definition	8, 186
Thin liquor, definition,	7, 133, 8, 186
Tilting tray drier,	11, 89, 92
Tips,	6, 64, 7, 131, 8, 184, 37, 79
Tipping,	8, 184, 10, 22, 12, 31, 41, 16, 21, 47, 20, 82, 22, 61, 23, 68, 26, 51, 30, 74, 80, 31, 101, 104, 173, 32, 178, 33, 77, 154, 194, 36, 90, 95, 96, 101, 37, 83
Toddy,	6, 52
Trace elements,	11, 213, 13, 148, 16, 9, 23, 67, 86, 38, 344
Transpiration,	8, 21, 22, 42
Transplanting,	22, 44, 23, 115, 27, 25, 61, 62, 29, 85, 31, 53, 54
Transport of leaf,	2, 136, 6, 37, 9, 200
Trays,	8, 196
Tree killers, chemical,	9, 105
Trenches, isolation,	2, 18, 10, 36, 42
Trenching,	23, 110, 24, 63, 26, 50, 29, 167, 31, 114, 33, 143
Tussock moth,	4, 26
Twig Caterpillar,	37, 106, 200
Twisted leaf,	8, 184
U	
Uneven infusion, definition,	8, 185
Uneven leaf, definition,	7, 132, 8, 184
Uprooting tea,	11, 30, 54, 160, 22, 10, 26, 29, 150, 29, 145, 160, 166, 170, 247, 33, 44, 202-204, 34, 44, 37, 67
V	
Valuation, tasting,	34, 58, 36, 113, 114
Vanilla, diseases of,	1, 107
Vapour pressure,	2, 90, 91, 4, 98
Variegation of leaf,	24, 25, 34, 19, 20

Vegetative propagation—

approved clones,	..	30, 52, 142, 35, 168
general,	..	5, 154, 11, 212, 12, 38, 14, 61, 18, 107, 20, 93, 24, 143, 25, 75, 27, 24, 28, 30, 29, 154, 237, 30, 121, 31, 81, 32, 145, 34, 22, 36, 183, 38, 139, 275
in relation to—		
drought,	..	34, 22, 35, 169
manufacture,	..	12, 183, 24, 82, 29, 76, 175, 253, 30, 131, 39, 39
methods & technique	..	11, 212, 12, 50, 14, 98, 102, 17, 20, 18, 91, 21, 3, 36, 29, 73, 216, 242, 31, 53, 35, 85, 37, 154, 38, 139, 275
selection,	..	13, 38, 14, 98, 29, 237, 38, 22, 245
Visits, abroad,	..	1, 80, 82, 4, 13, 5, 2, 115, 8, 76, 9, 3, 11, 208, 13, 135, 14, 23, 19, 109, 21, 46, 25, 80, 26, 72, 29, 160, 181, 184, 186, 30, 5, 71, 31, 68, 34, 169, 172, 179, 37, 3, 38, 3, 10, 39, 29
Vitamins in tea,	..	29, 98, 37, 229, 230

W

Water logging,	..	34, 77, 38, 343
Weevils, ..	..	1, 45, 115, 2, 22
Weak liquor, definition,	..	8, 186
Weatherly liquor, definition,	..	8, 186
Weed control,	..	6, 176, 16, 42, 18, 65, 84, 19, 5, 22, 10, 101, 27, 73, 32, 69, 36, 22, 39, 11, 119, 40, 158, 160
Wetting agents,	..	33, 137, 37, 73
White grubs,	..	2, 75, 4, 10, 38, 154
Winch, Hesford,	..	37, 57
Wind breaks,	..	3, 23, 23, 64, 27, 64, 38, 84
Wilting, ..	..	2, 88, 4, 63, 6, 173, 8, 39, 10, 173, 19, 27, 27, 29, 31, 158, 32, 84, 35, 169
Wiry leaf, definition,	..	7, 131
Witches Broom of tea,	..	2, 5, 87, 3, 94, 95, 4, 21, 51, 5, 70, 135, 156, 6, 10, 24, 7, 51, 8, 19, 12, 96, 97, 21, 18, 31, 158

Withering—

Orthodox,	..	1, 71, 93, 6, 67, 104, 7, 118, 9, 80, 22, 18, 30, 150, 31, 180, 34, 42, 35, 146, 171, 37, 114, 163
Rotorvane,	..	35, 96, 230, 235, 36, 72, 82, 151, 37, 114
Wood rot,	..	1, 70, 85, 2, 10, 15, 3, 65, 13, 28, 31, 51, 115, 16, 6-9, 31, 19, 96, 24, 39, 40, 37, 80
Wound gum,	..	1, 27, 71, 2, 14, 4, 120, 5, 22-24

X

Xyleborus fornicatus Eichh. *see* Shot-hole Borer

Y

Yellow Mite,	..	..	25, 20, 29, 60, 157, 31, 5
Yellowing, tea leaves,	..	..	5, 135, 156, 10, 28, 29, 132, 34, 16
Yield, tea,	..	..	5, 134, 148, 14, 47, 17, 2, 20, 18, 29, 45, 253, 34, 111, 35, 207
Young Tea,	..	..	11, 212, 12, 38, 14, 102, 17, 20, 18, 107, 20, 93, 21, 3, 36, 27, 24, 29, 216, 31, 110, 37, 154, 38, 347

Z

Zinc deficiency,	..	..	30, 157, 33, 134-137, 37, 73
Zinc oxide,	..	..	37, 74
Zinc sulphate,	..	..	37, 73, 74
Zonal plucking,	..	..	29, 36

Ve

V

Printed by
H. W. CAVE & CO., LTD.
Colombo.
